

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061676.D
 Acq On : 5 Jun 2020 17:51
 Operator : JC/MD
 Sample : L2889-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

Quant Time: Jun 06 03:24:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	298251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	493099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	469398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	226183	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	160143	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
35) Dibromofluoromethane	7.55	113	134266	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.06	98	578718	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.38	95	214954	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.84	85	290	1.23	ug/l #	43
3) Chloromethane	2.03	50	1027	0.28	ug/l	97
5) Bromomethane	2.55	94	1174	0.41	ug/l	95
10) Methyl Iodide	3.91	142	1510	0.38	ug/l #	60
11) Tert butyl alcohol	4.75	59	4758	10.07	ug/l #	81
15) Acrylonitrile	4.94	53	526	0.40	ug/l #	36
16) Acetone	3.78	43	12548	6.78	ug/l	98
17) Carbon Disulfide	4.01	76	6713	1.00	ug/l	95
20) Methylene Chloride	4.50	84	839	Below Cal	#	61
22) Diisopropyl ether	5.90	45	4775	0.54	ug/l #	1
25) 2-Butanone	6.79	43	1641	0.97	ug/l #	84
28) Bromochloromethane	7.33	49	6463	1.74	ug/l #	3
29) Tetrahydrofuran	7.17	42	1666	1.50	ug/l #	32
30) Chloroform	7.33	83	93046	15.10	ug/l	98
31) Cyclohexane	7.62	56	8866	1.77	ug/l #	44
38) Carbon Tetrachloride	7.63	117	28462	6.76	ug/l #	17
39) Methylcyclohexane	9.05	83	6820	1.27	ug/l	97
40) Benzene	8.00	78	76409	5.67	ug/l	94
47) Bromodichloromethane	9.37	83	6653	1.37	ug/l	95
49) 1,4-Dioxane	9.16	88	72	1.63	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	2933	0.82	ug/l	88
52) Toluene	10.12	92	87340	9.94	ug/l	99
59) 2-Hexanone	10.73	43	2475	0.97	ug/l	87
60) Dibromochloromethane	10.88	129	1569	0.39	ug/l	94
67) Ethyl Benzene	11.48	91	24056	1.43	ug/l	95
68) m/p-Xylenes	11.59	106	47928	7.17	ug/l	98
69) o-Xylene	11.92	106	19049	3.00	ug/l	96
70) Styrene	11.93	104	2657	0.25	ug/l #	1
73) Isopropylbenzene	12.22	105	5426	0.33	ug/l	98
74) N-amyl acetate	12.00	43	120243	23.13	ug/l #	42
76) 1,2,3-Trichloropropane	12.38	75	105249	25.59	ug/l #	100
77) Bromobenzene	12.50	156	987	0.23	ug/l	93
78) n-propylbenzene	12.57	91	9531	0.52	ug/l	98
79) 2-Chlorotoluene	12.75	91	2554	0.23	ug/l	95

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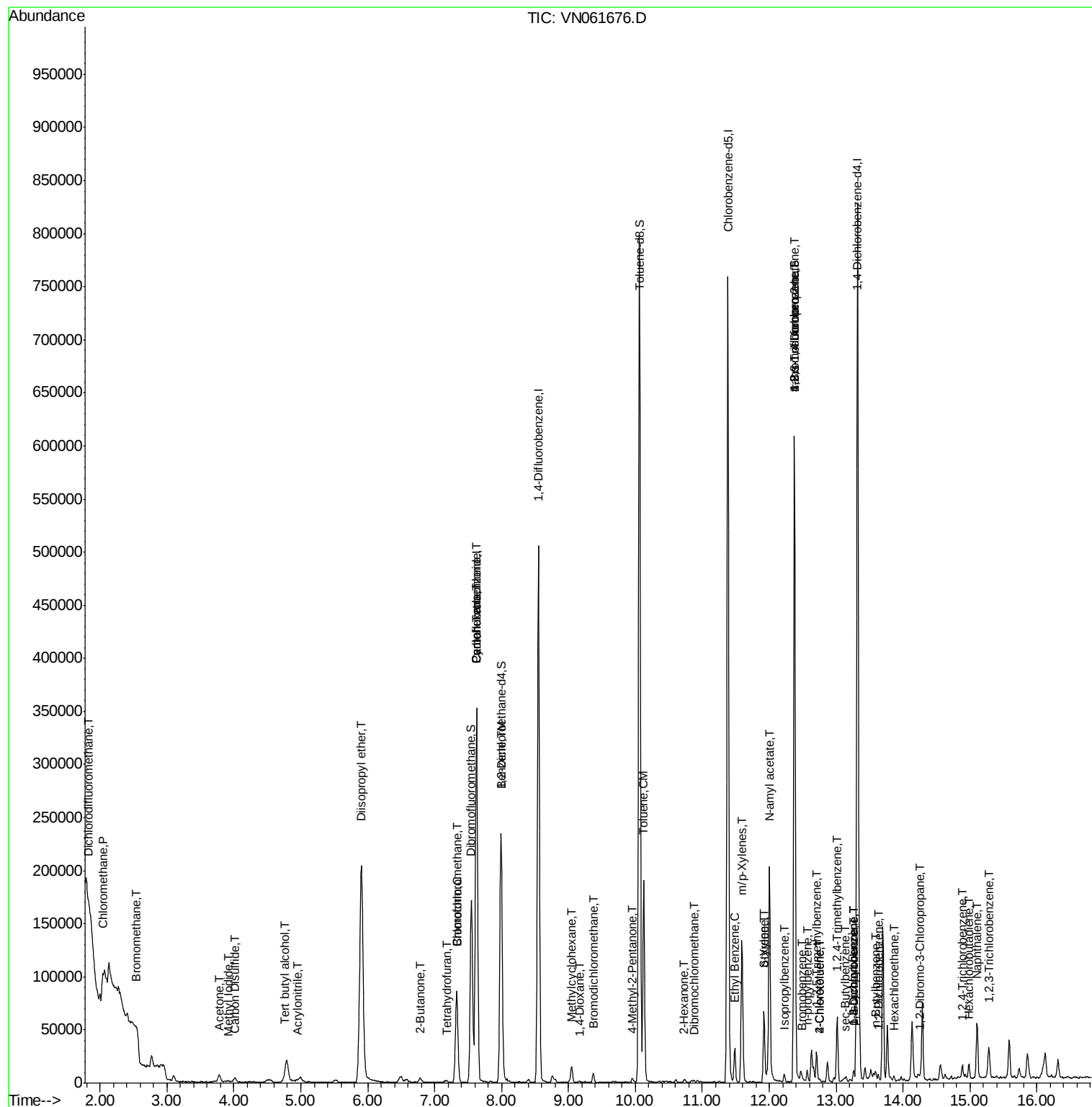
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.71	105	15251	1.11	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	105249	65.44	ug/l #	15
82) 4-Chlorotoluene	12.75	91	2554	0.22	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	35874	2.62	ug/l	98
85) sec-Butylbenzene	13.15	105	3689	0.23	ug/l	80
86) p-Isopropyltoluene	13.26	119	4255	0.29	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	2747	0.37	ug/l	94
88) 1,4-Dichlorobenzene	13.26	146	2747	0.36	ug/l	93
89) n-Butylbenzene	13.59	91	5143	0.42	ug/l	91
90) Hexachloroethane	13.85	117	330	0.21	ug/l #	13
91) 1,2-Dichlorobenzene	13.63	146	2132	0.30	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.25	75	198	0.21	ug/l #	43
93) 1,2,4-Trichlorobenzene	14.88	180	4442	1.07	ug/l	92
94) Hexachlorobutadiene	14.98	225	2485	1.40	ug/l	89
95) Naphthalene	15.10	128	48495	3.82	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	5200	1.27	ug/l #	56

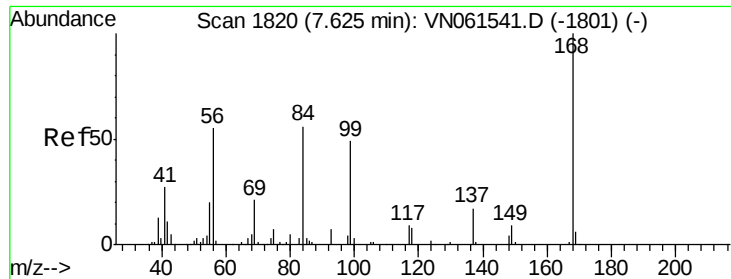
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

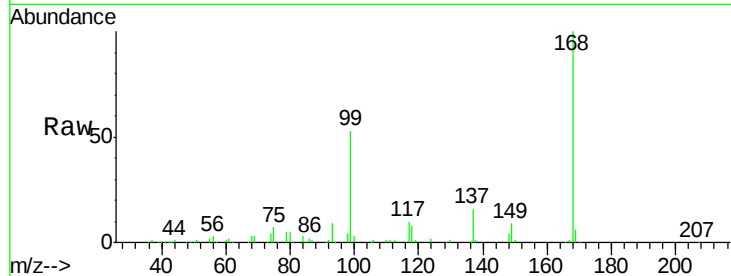
FDW-115

Tgt Ion:168 Resp: 298251

Ion Ratio Lower Upper

168 100

99 53.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

100000

50000

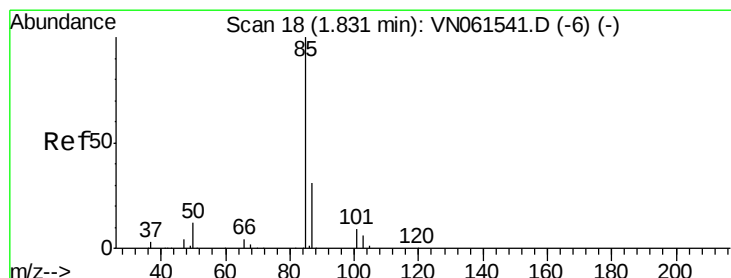
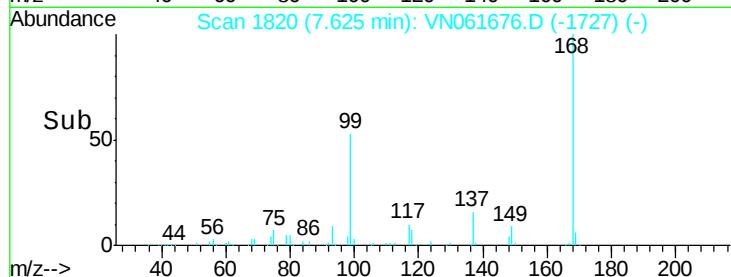
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Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 1.23 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.01 min

Lab File: VN061676.D

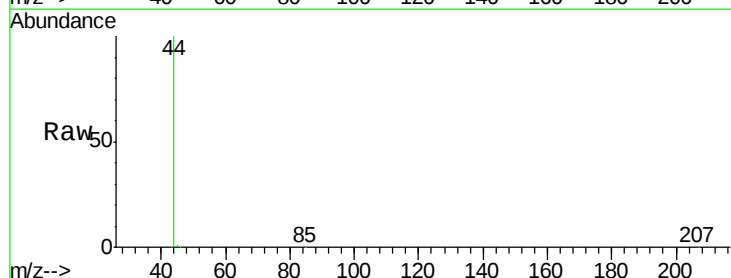
Acq: 5 Jun 2020 17:51

Tgt Ion: 85 Resp: 290

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

400

300

200

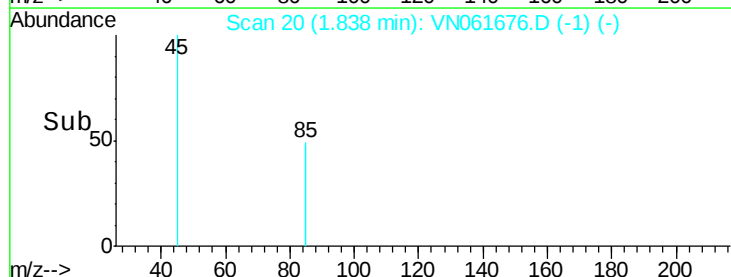
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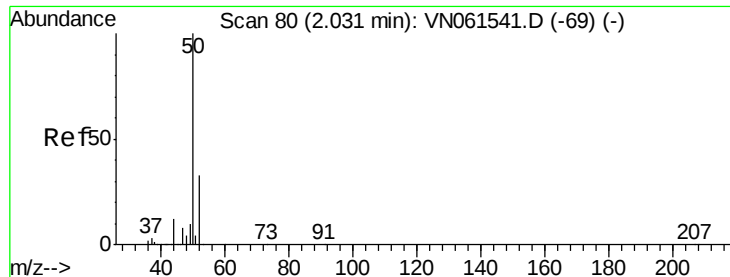
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Time-->

1.82

1.84





#3

Chloromethane

Concen: 0.28 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

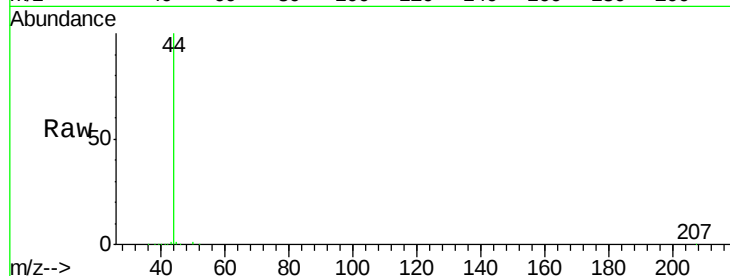
FDW-115

Tgt Ion: 50 Resp: 1027

Ion Ratio Lower Upper

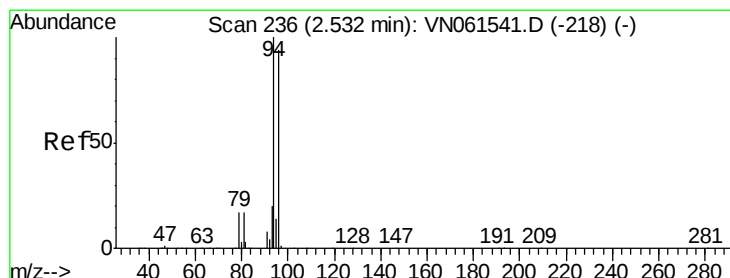
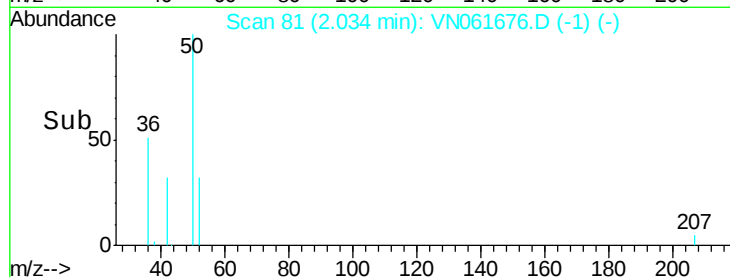
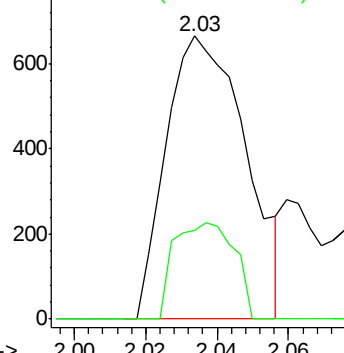
50 100

52 31.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#5

Bromomethane

Concen: 0.41 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN061676.D

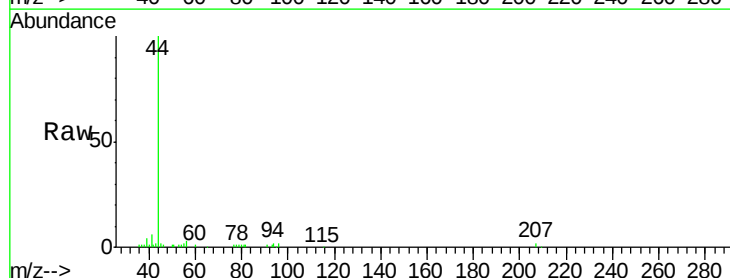
Acq: 5 Jun 2020 17:51

Tgt Ion: 94 Resp: 1174

Ion Ratio Lower Upper

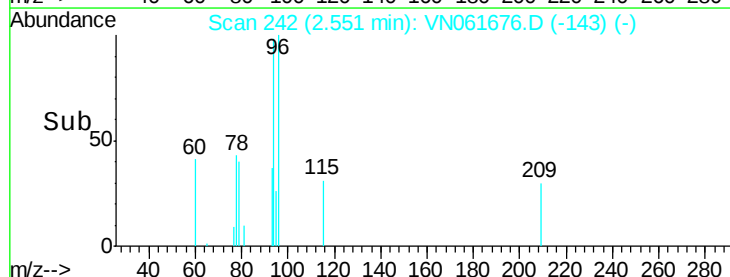
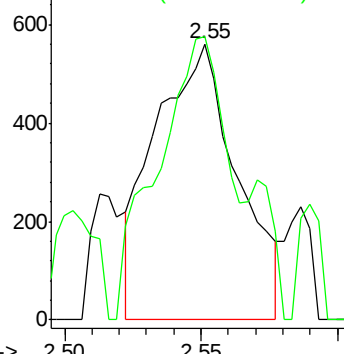
94 100

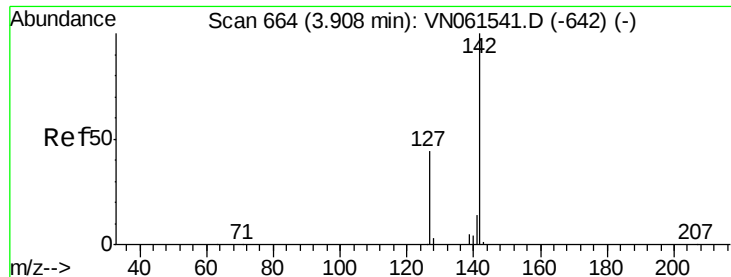
96 98.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

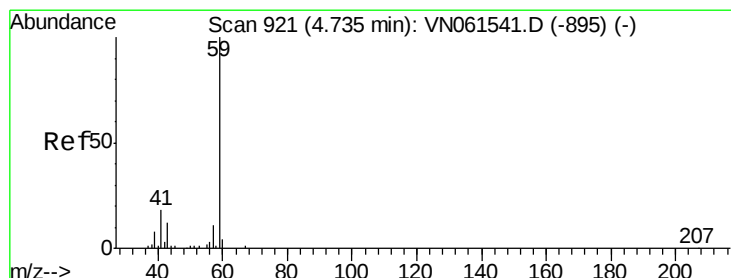
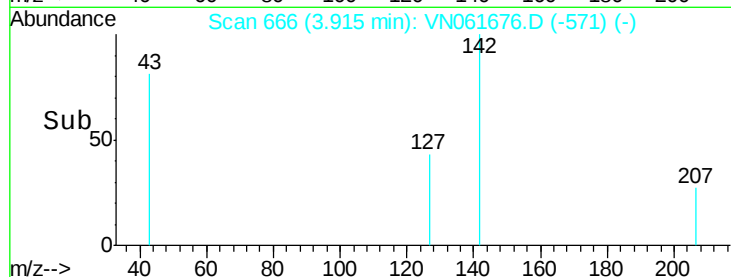
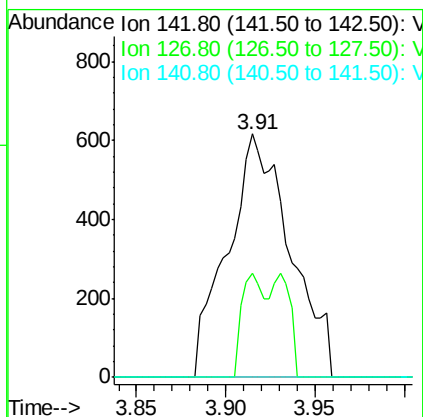
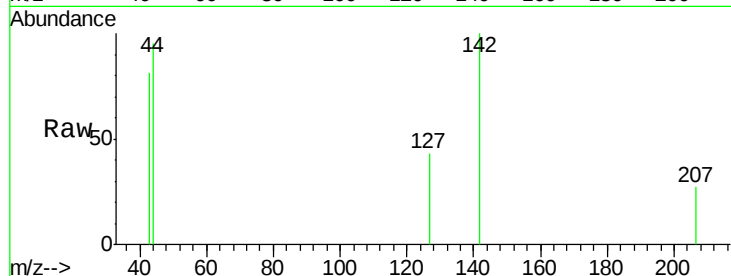




#10
Methyl Iodide
Concen: 0.38 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.01 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

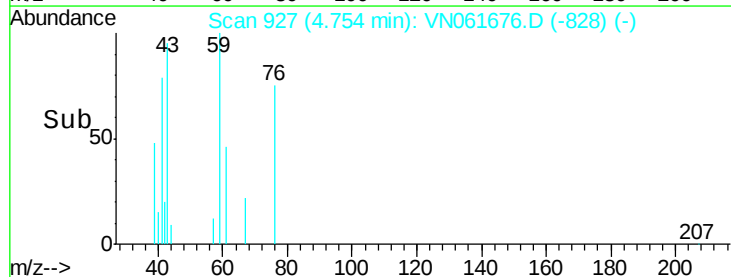
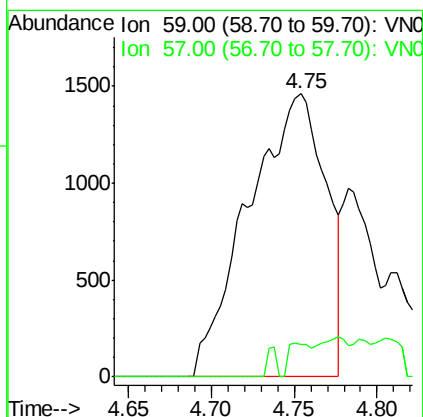
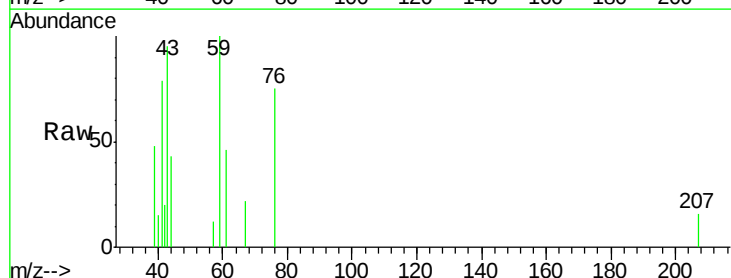
Instrument :
MSVOA_N
ClientSampled :
FDW-115

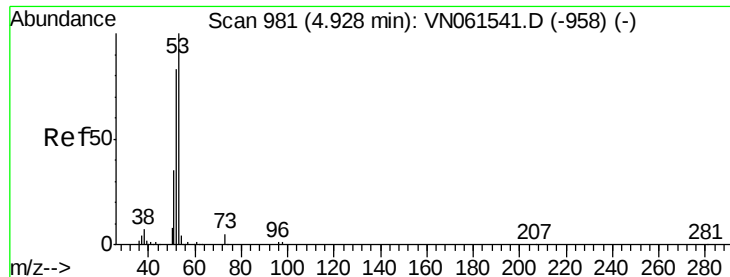
Tgt Ion: 142 Resp: 1510
Ion Ratio Lower Upper
142 100
127 17.0 35.5 53.3#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 10.07 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.02 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 59 Resp: 4758
Ion Ratio Lower Upper
59 100
57 3.4 8.4 12.6#





#15

Acrylonitrile

Concen: 0.40 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.02 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

FDW-115

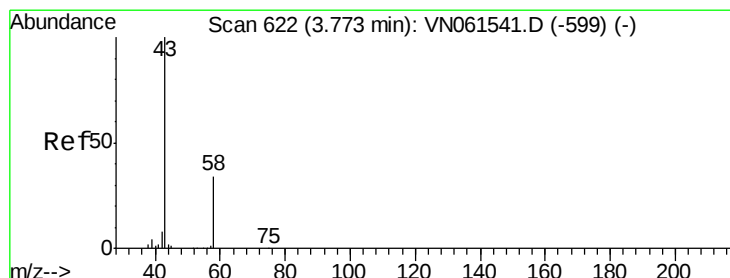
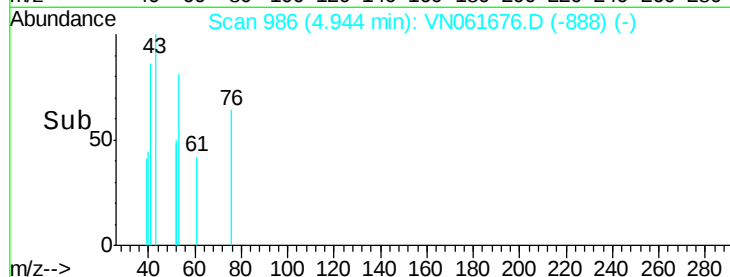
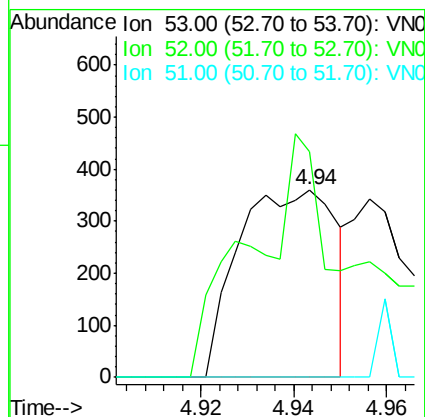
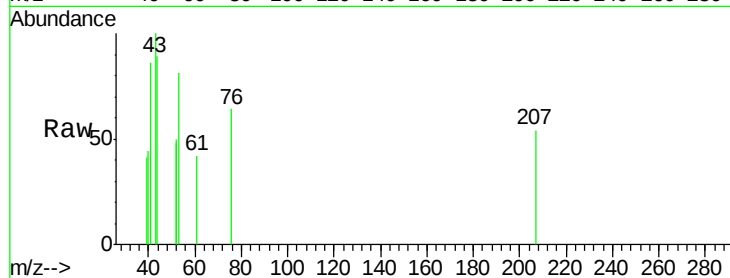
Tgt Ion: 53 Resp: 526

Ion Ratio Lower Upper

53 100

52 23.6 65.4 98.2#

51 0.0 29.0 43.6#



#16

Acetone

Concen: 6.78 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061676.D

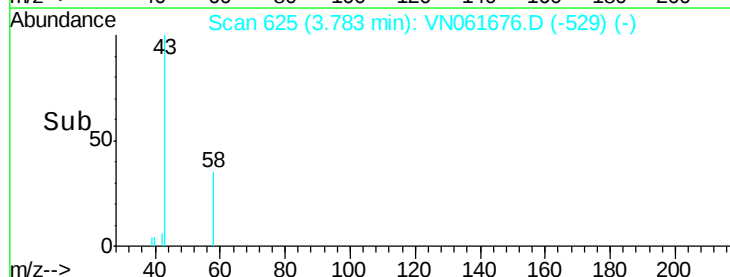
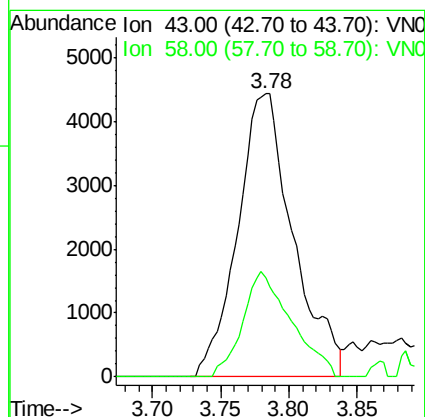
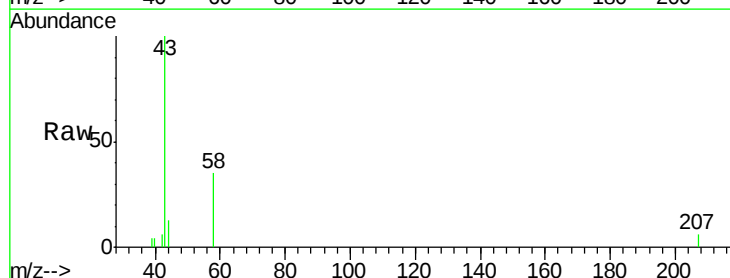
Acq: 5 Jun 2020 17:51

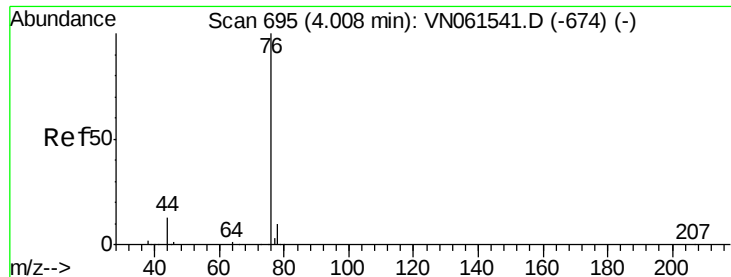
Tgt Ion: 43 Resp: 12548

Ion Ratio Lower Upper

43 100

58 35.0 27.2 40.8

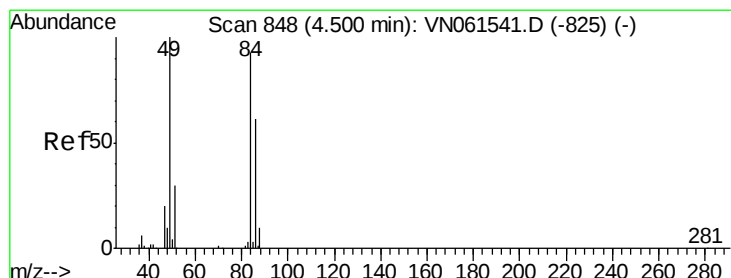
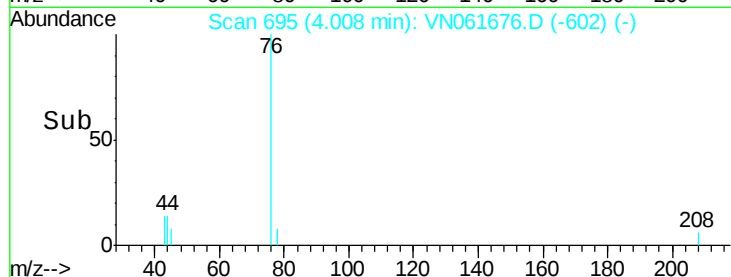
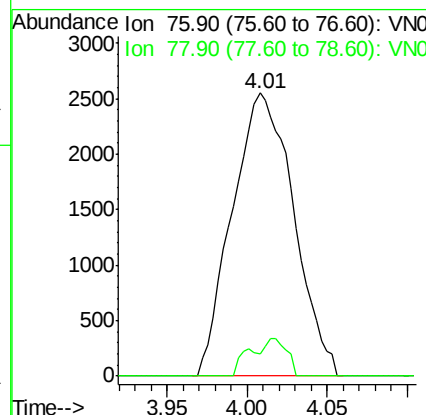
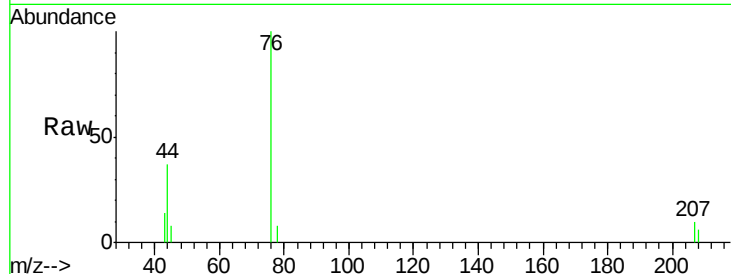




#17
Carbon Disulfide
Concen: 1.00 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

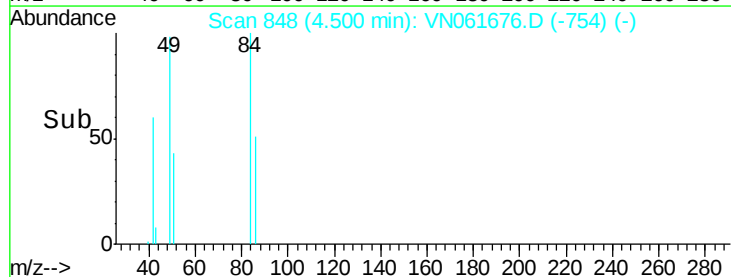
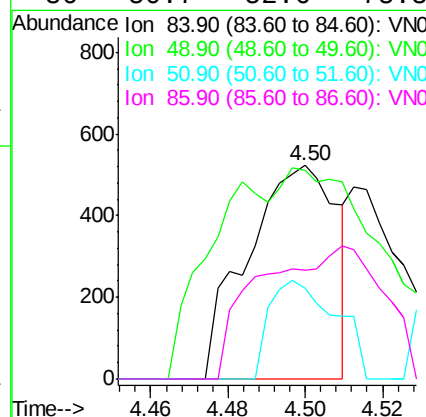
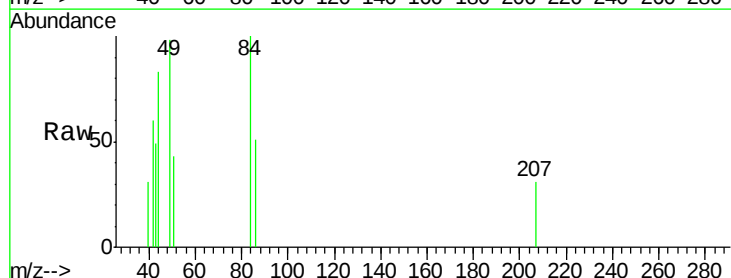
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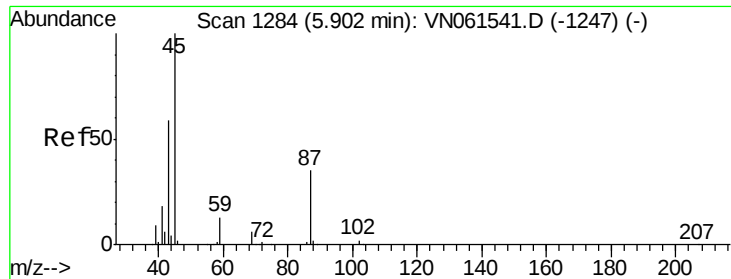
Tgt Ion: 76 Resp: 6713
Ion Ratio Lower Upper
76 100
78 7.9 7.8 11.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 84 Resp: 839
Ion Ratio Lower Upper
84 100
49 48.0 85.8 128.8#
51 42.6 26.2 39.2#
86 50.7 52.6 78.8#

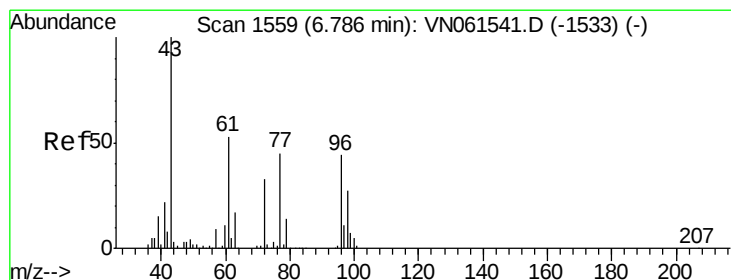
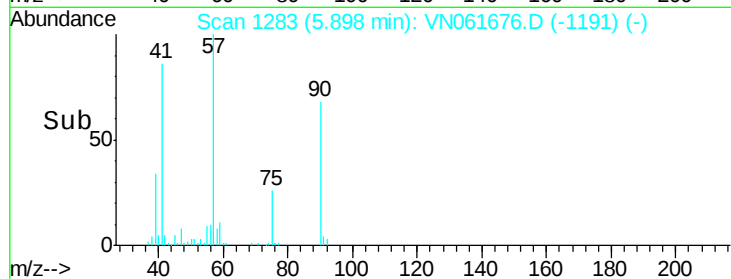
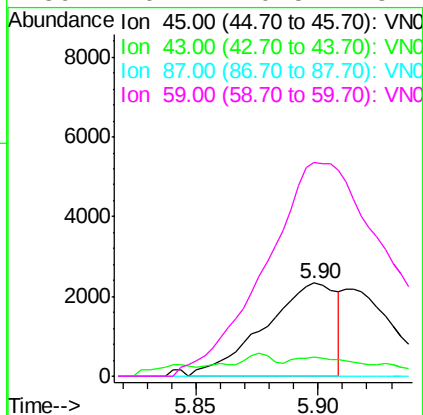
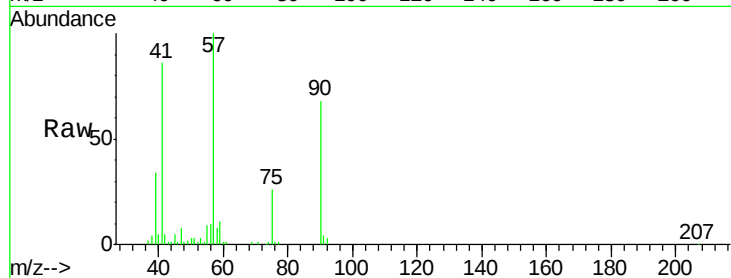




#22
Diisopropyl ether
Concen: 0.54 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

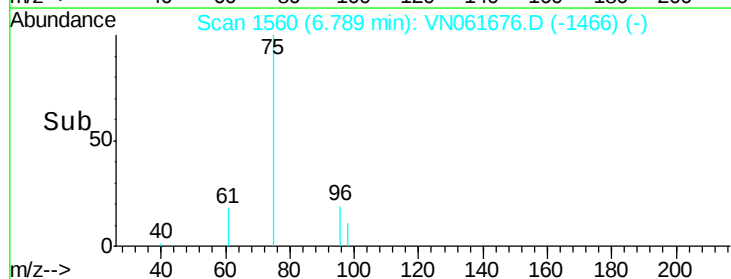
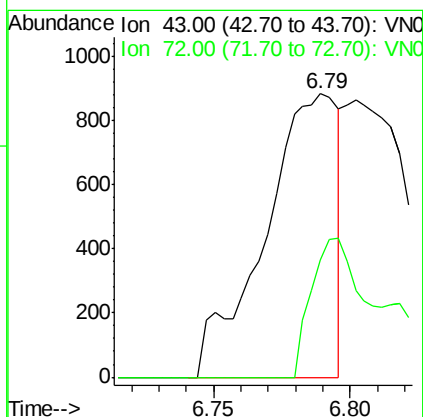
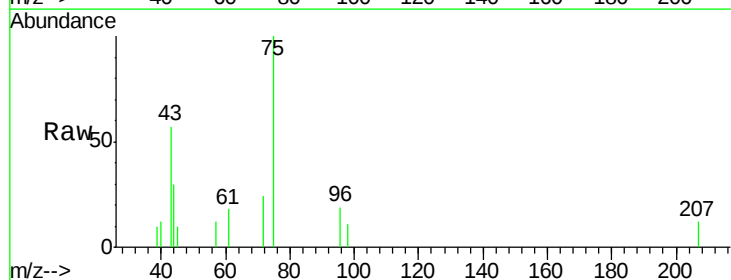
Instrument :
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ClientSampled :
FDW-115

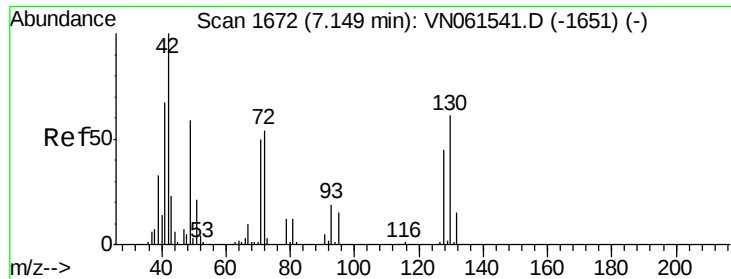
Tgt Ion:	45	Resp:	4775
Ion	Ratio	Lower	Upper
45	100		
43	9.3	47.9	71.9#
87	0.0	28.4	42.6#
59	216.7	10.5	15.7#



#25
2-Butanone
Concen: 0.97 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion:	43	Resp:	1641
Ion	Ratio	Lower	Upper
43	100		
72	41.3	26.0	39.0#

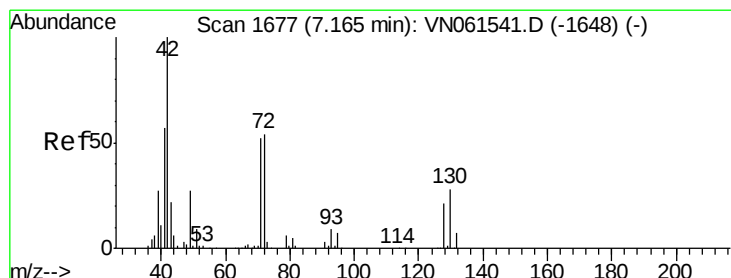
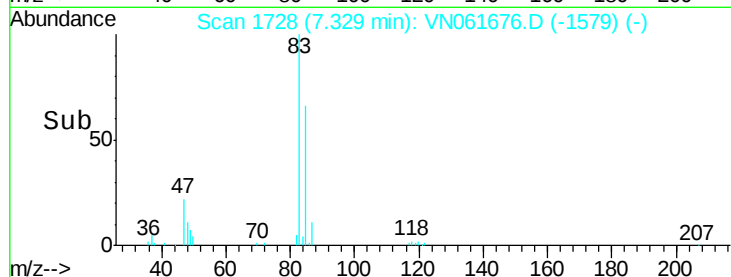
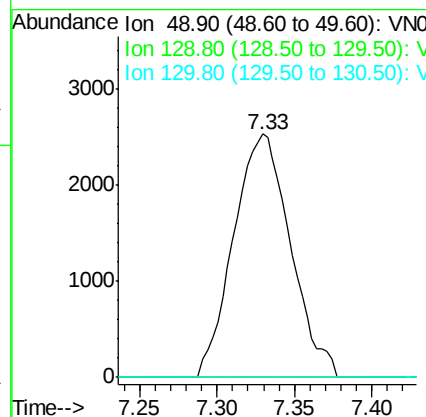
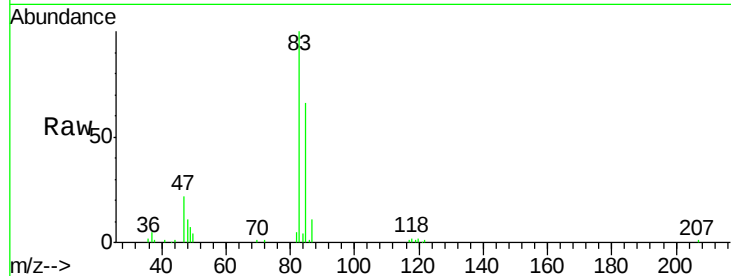




#28
Bromochloromethane
Concen: 1.74 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.18 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

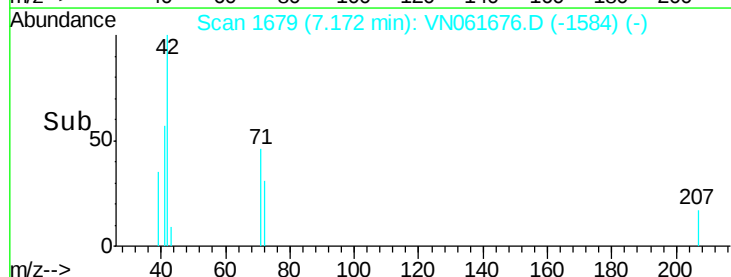
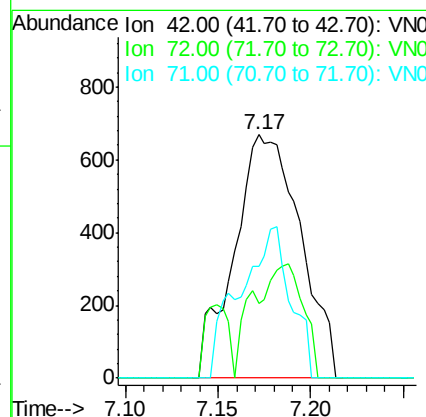
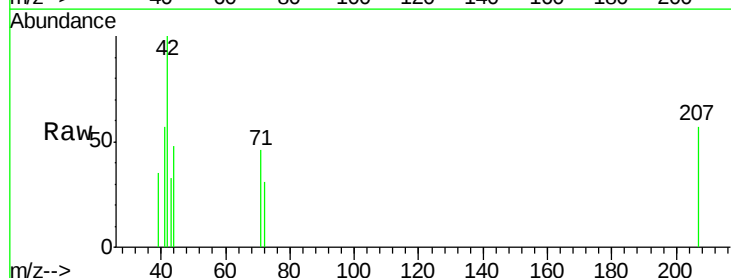
Instrument :
MSVOA_N
ClientSampleId :
FDW-115

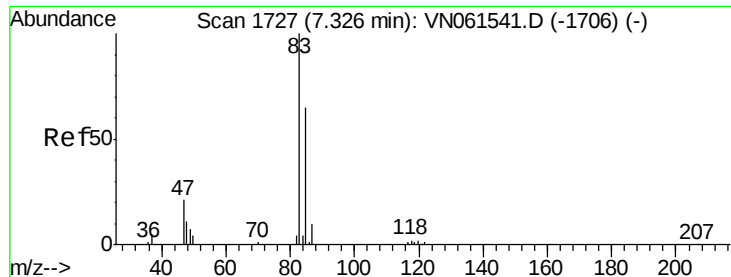
Tgt Ion: 49 Resp: 6463
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 78.8 118.2#



#29
Tetrahydrofuran
Concen: 1.50 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 42 Resp: 1666
Ion Ratio Lower Upper
42 100
72 9.5 43.6 65.4#
71 0.0 41.2 61.8#

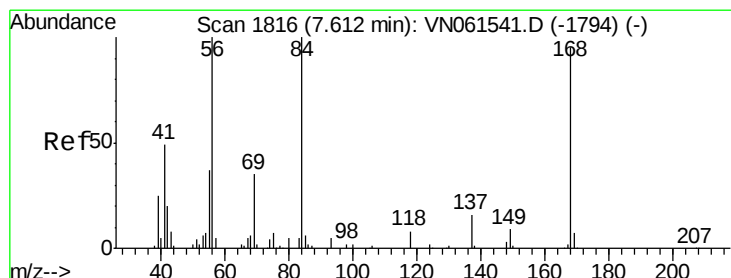
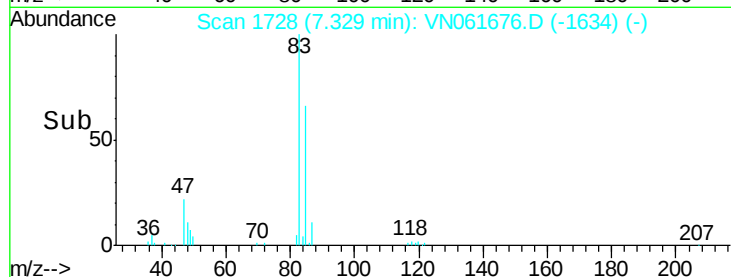
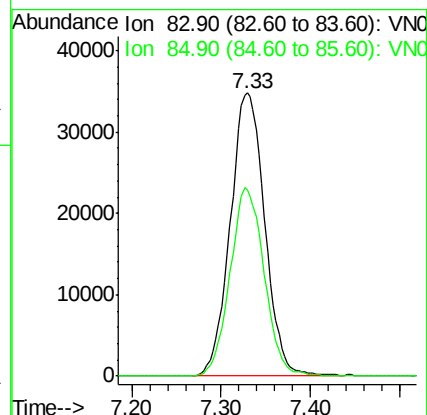
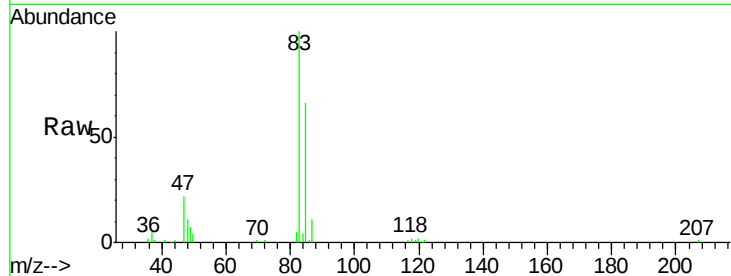




#30
Chloroform
Concen: 15.10 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

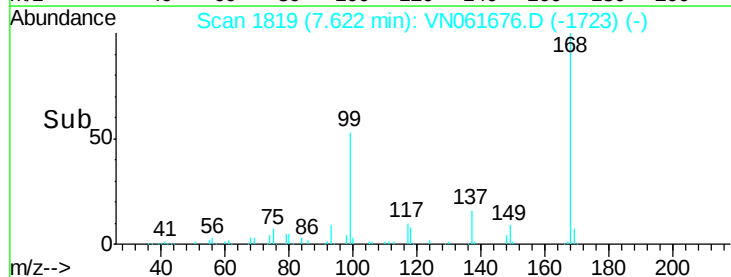
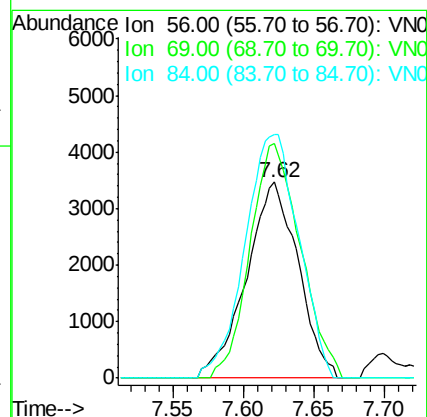
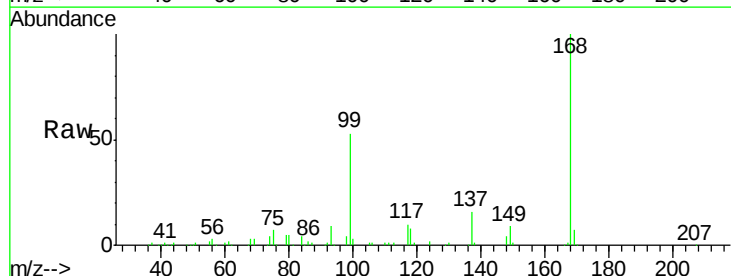
Instrument :
MSVOA_N
ClientSampleId :
FDW-115

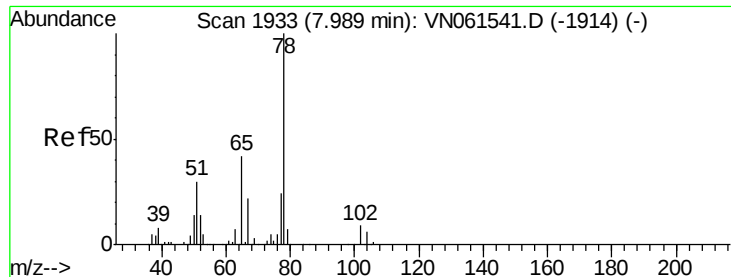
Tgt Ion: 83 Resp: 93046
Ion Ratio Lower Upper
83 100
85 65.8 51.7 77.5



#31
Cyclohexane
Concen: 1.77 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 56 Resp: 8866
Ion Ratio Lower Upper
56 100
69 120.0 27.8 41.8#
84 124.4 79.9 119.9#

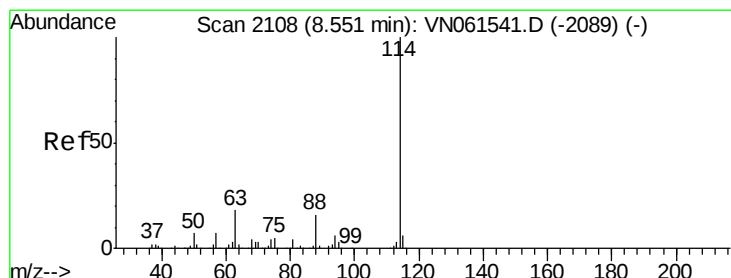
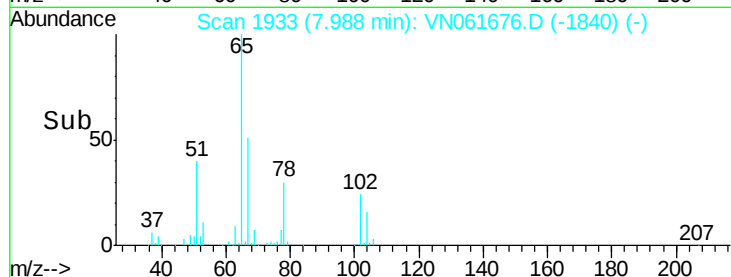
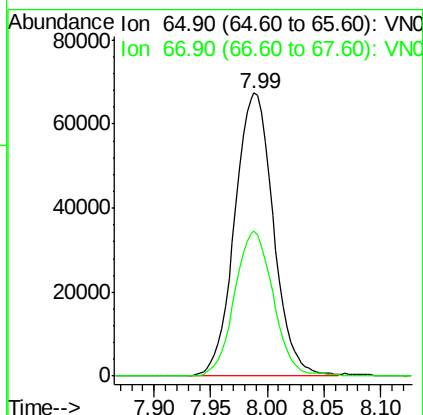
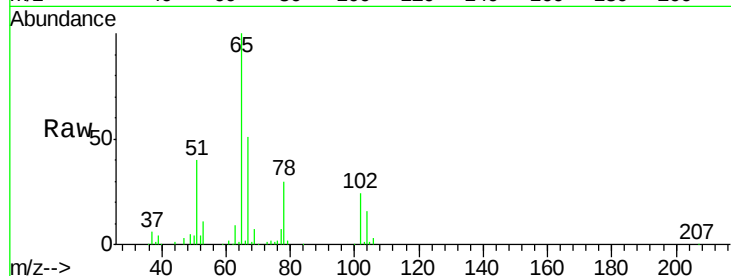




#33
 1,2-Dichloroethane-d4
 Concen: 45.07 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

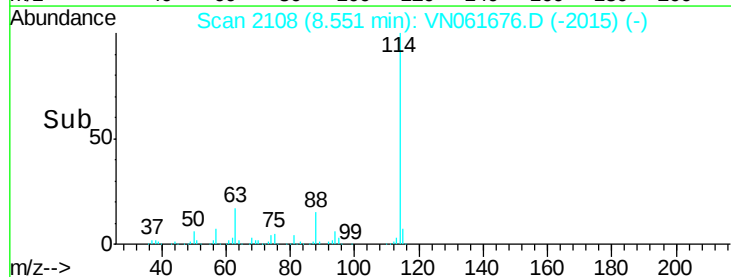
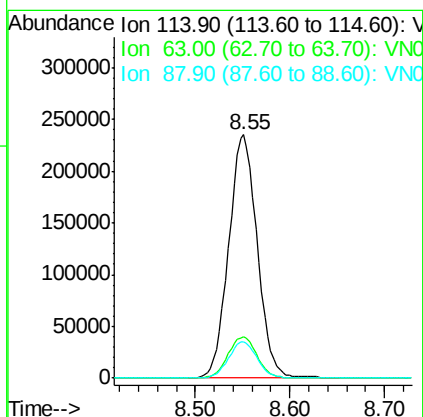
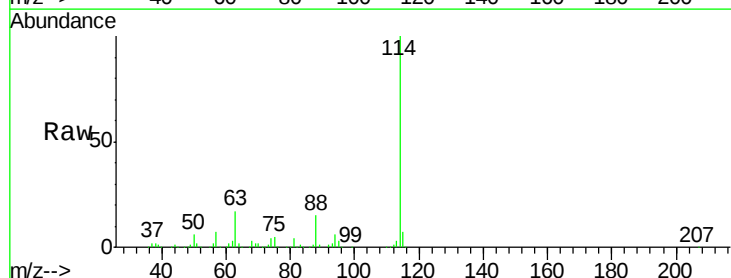
Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

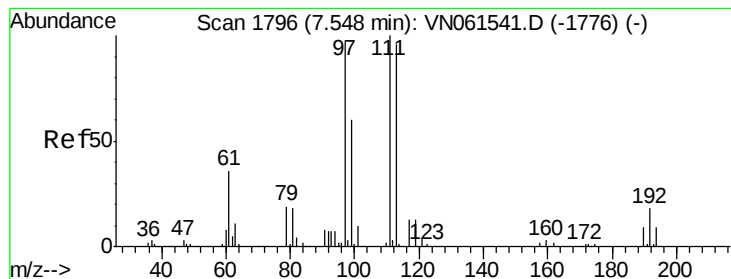
Tgt Ion: 65 Resp: 160143
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion: 114 Resp: 493099
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.8
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 53.68 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

FDW-115

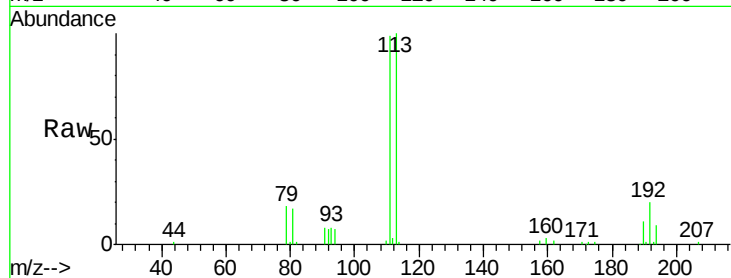
Tgt Ion:113 Resp: 134266

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

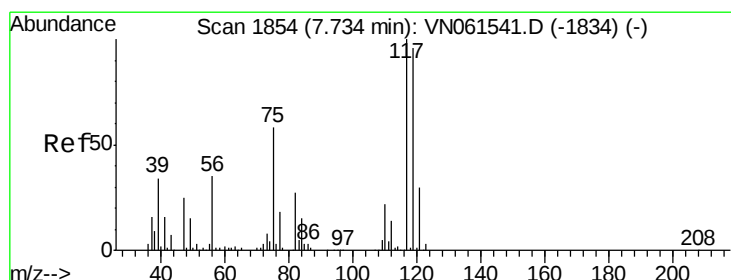
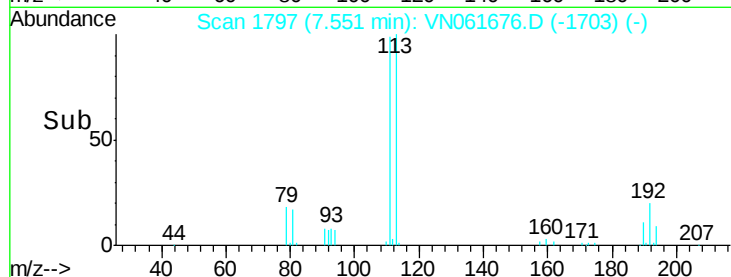
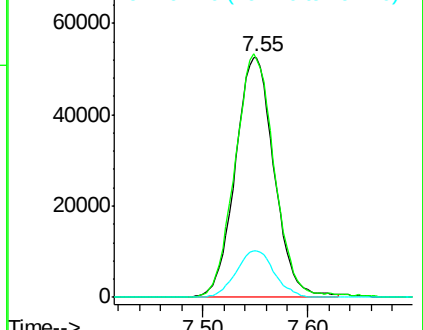
192 19.2 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38

Carbon Tetrachloride

Concen: 6.76 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

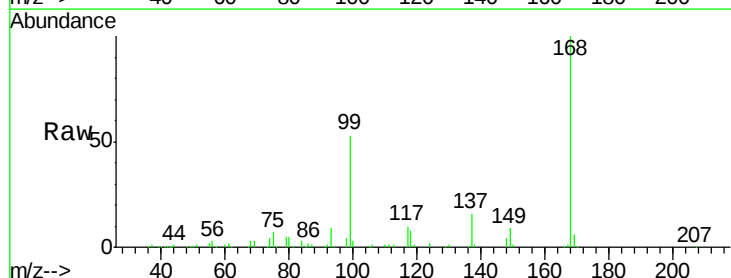
Tgt Ion:117 Resp: 28462

Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

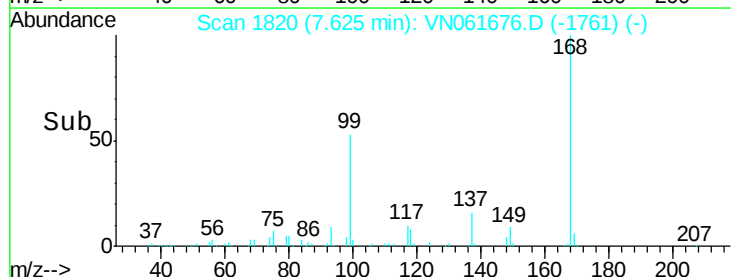
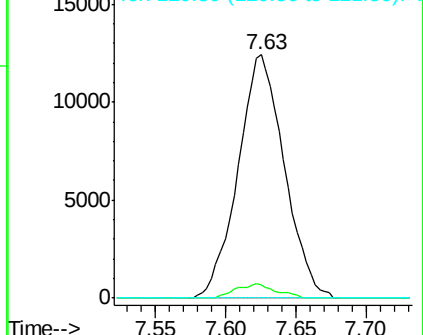
121 0.0 24.1 36.1#

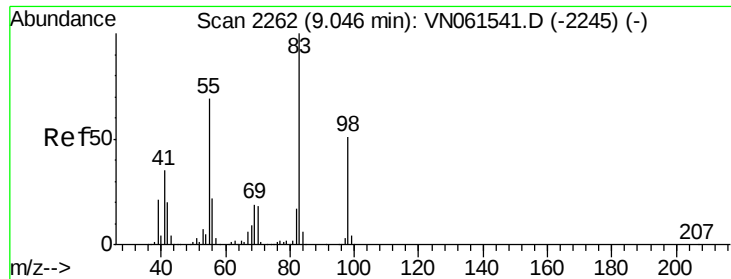


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

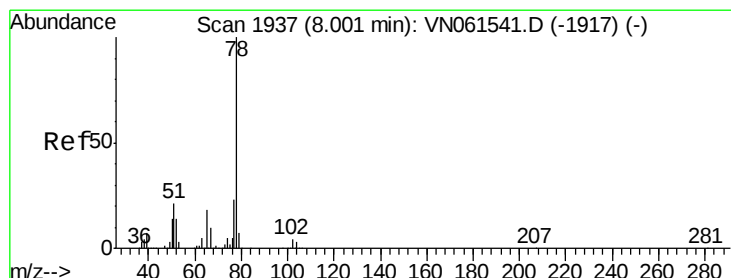
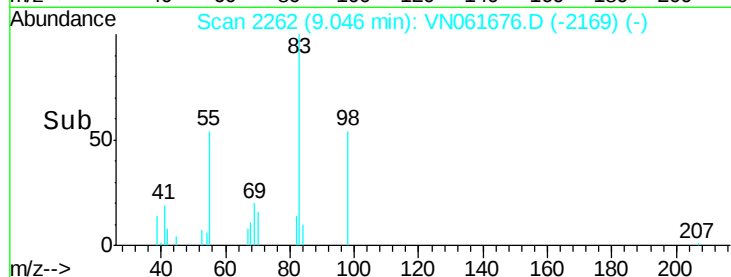
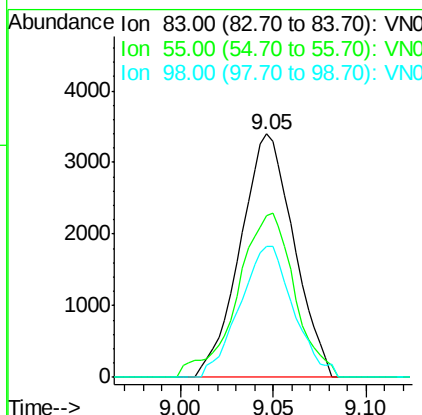
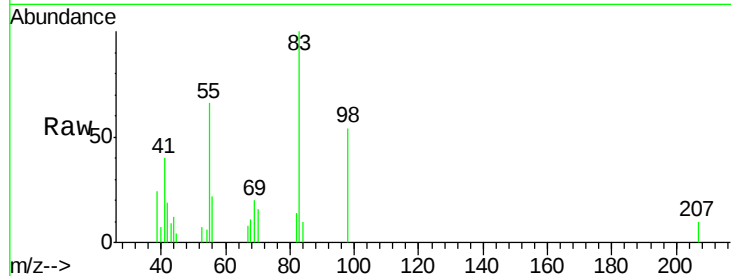




#39
Methylcyclohexane
Concen: 1.27 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

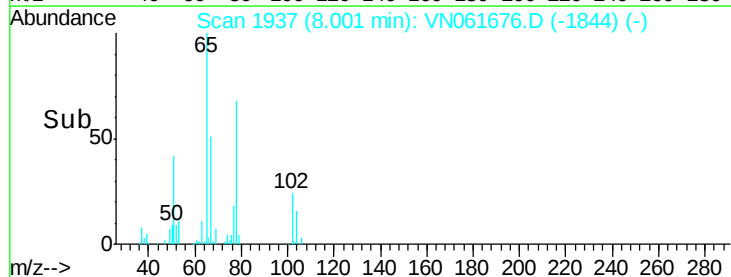
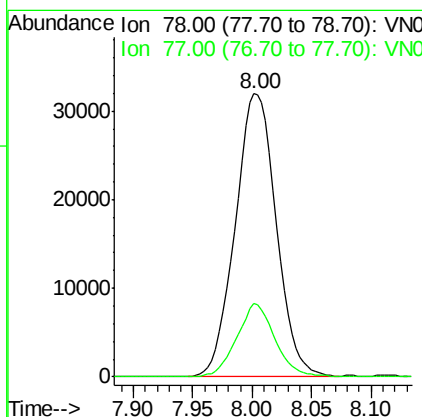
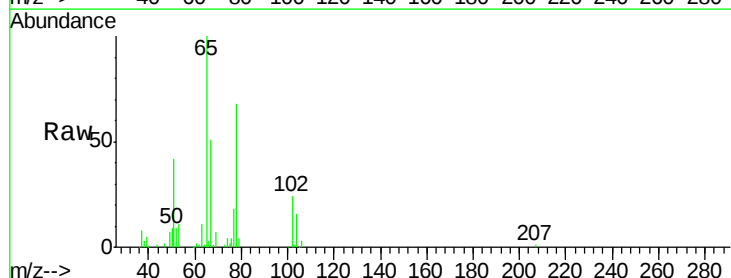
Instrument :
MSVOA_N
ClientSampled :
FDW-115

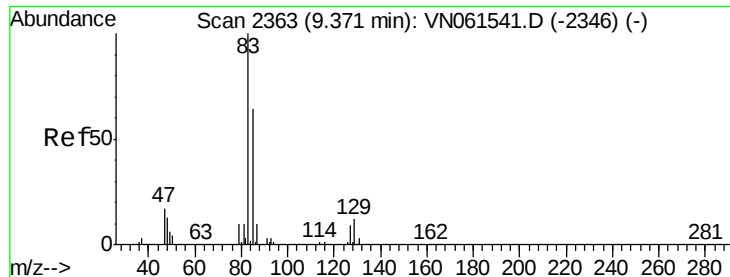
Tgt Ion: 83 Resp: 6820
Ion Ratio Lower Upper
83 100
55 66.4 54.9 82.3
98 53.8 41.0 61.4



#40
Benzene
Concen: 5.67 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 78 Resp: 76409
Ion Ratio Lower Upper
78 100
77 26.1 18.6 28.0





#47

Bromodichloromethane

Concen: 1.37 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

FDW-115

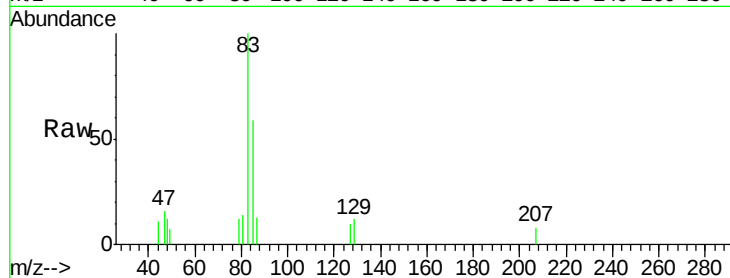
Tgt Ion: 83 Resp: 6653

Ion Ratio Lower Upper

83 100

85 59.3 51.1 76.7

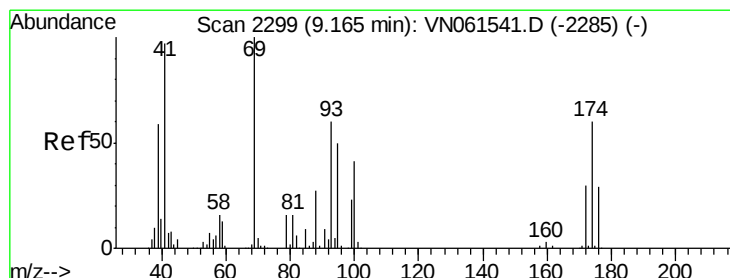
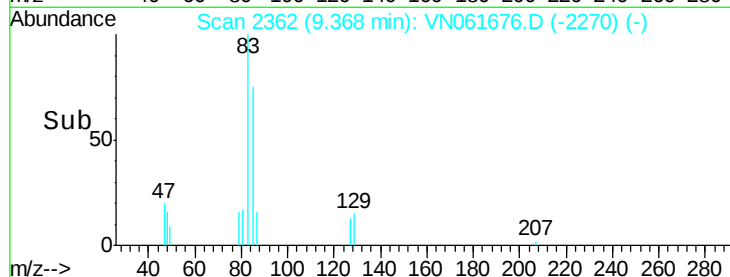
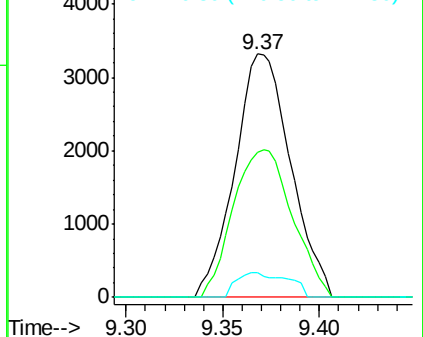
127 9.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#49

1,4-Dioxane

Concen: 1.63 ug/l

RT: 9.16 min Scan# 2296

Delta R.T. -0.01 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

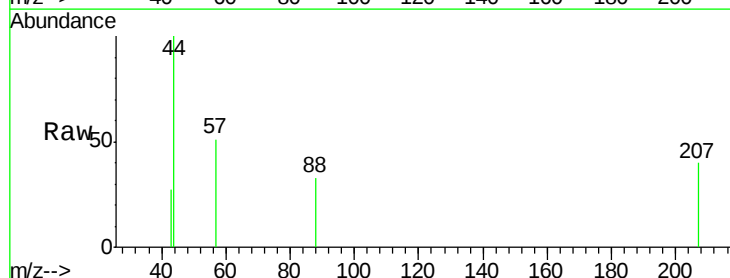
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 343.1 23.1 34.7#

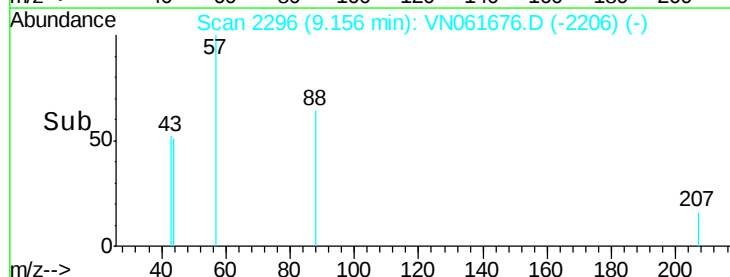
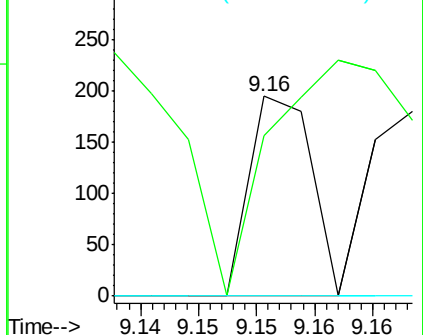
58 0.0 48.3 72.5#

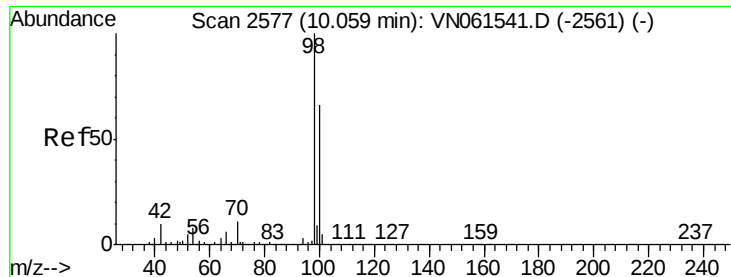


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 49.92 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

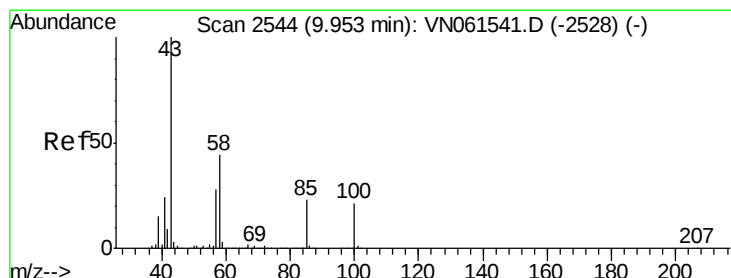
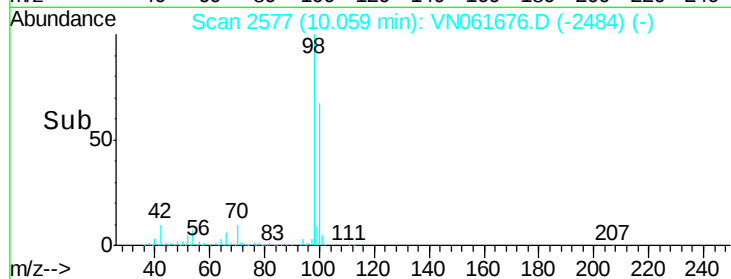
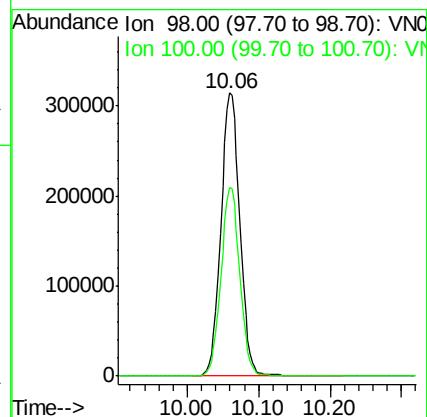
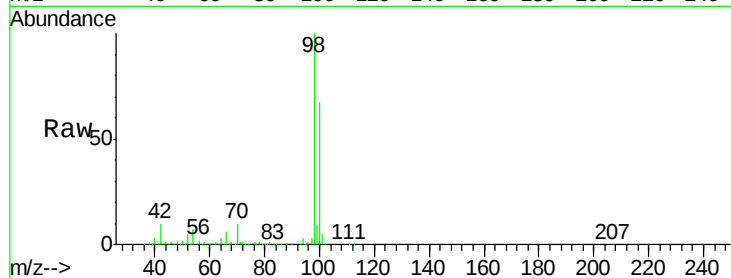
FDW-115

Tgt Ion: 98 Resp: 578718

Ion Ratio Lower Upper

98 100

100 66.1 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 0.82 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061676.D

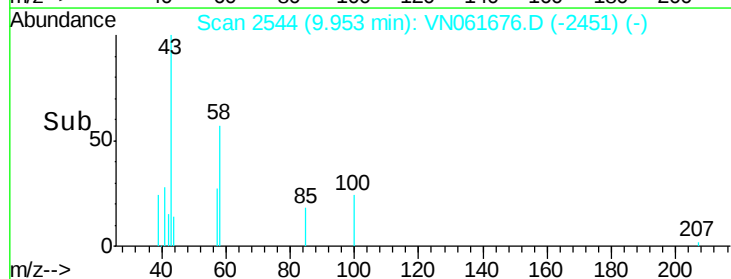
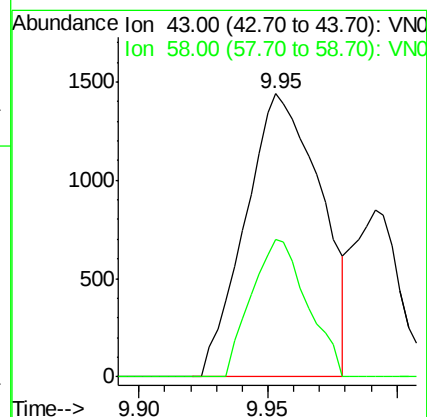
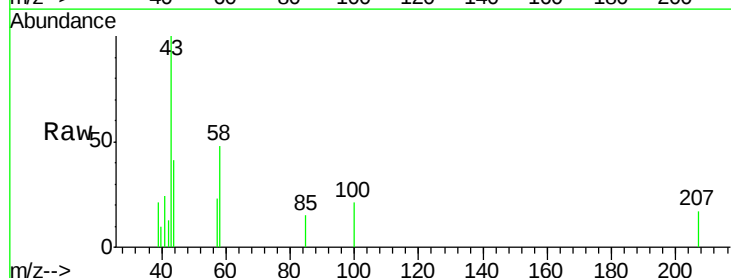
Acq: 5 Jun 2020 17:51

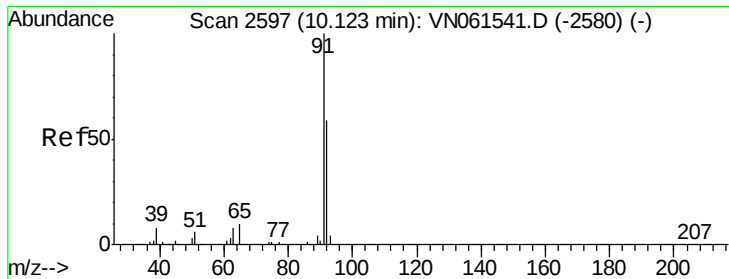
Tgt Ion: 43 Resp: 2933

Ion Ratio Lower Upper

43 100

58 35.9 35.0 52.6





#52

Toluene

Concen: 9.94 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

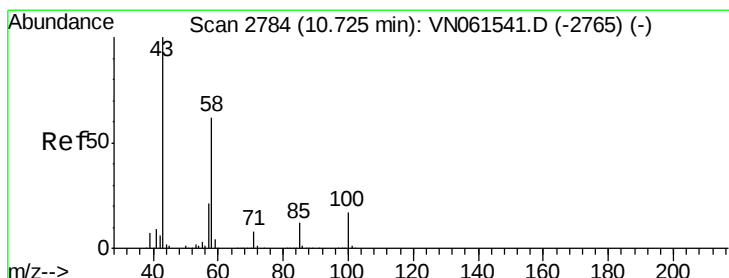
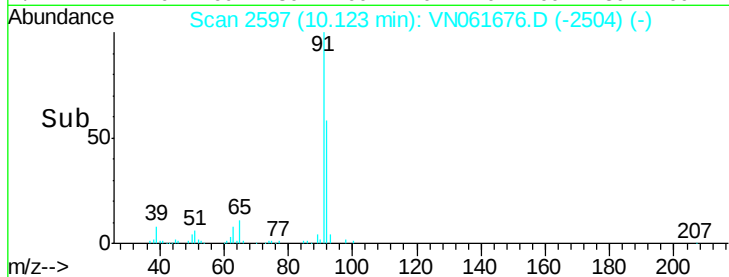
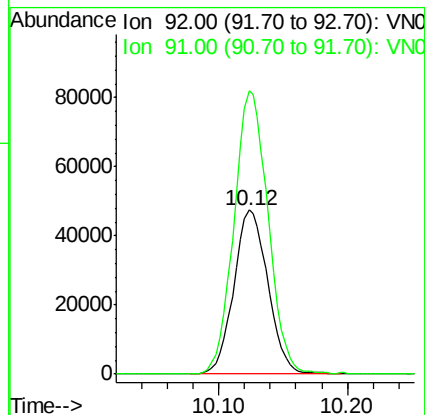
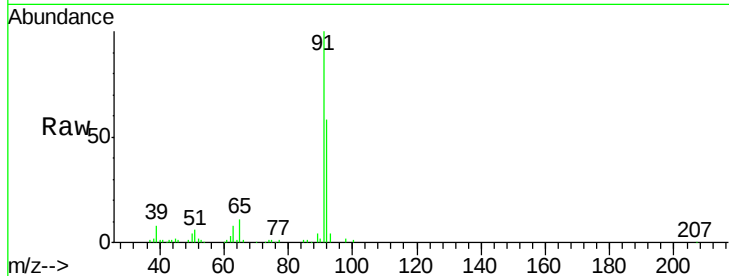
FDW-115

Tgt Ion: 92 Resp: 87340

Ion Ratio Lower Upper

92 100

91 172.4 136.4 204.6



#59

2-Hexanone

Concen: 0.97 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VN061676.D

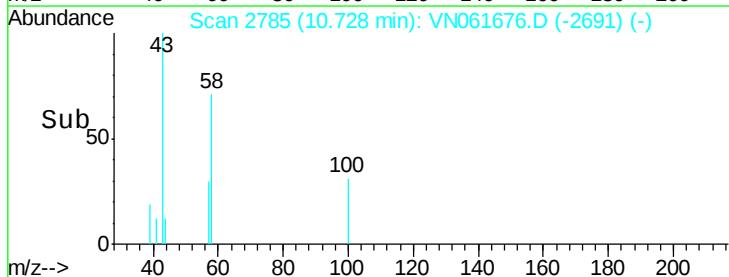
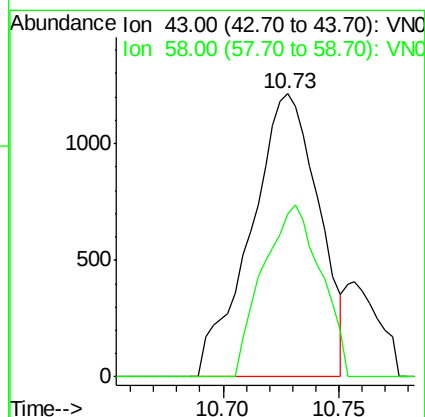
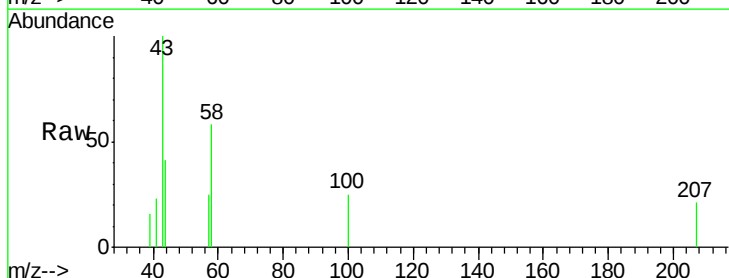
Acq: 5 Jun 2020 17:51

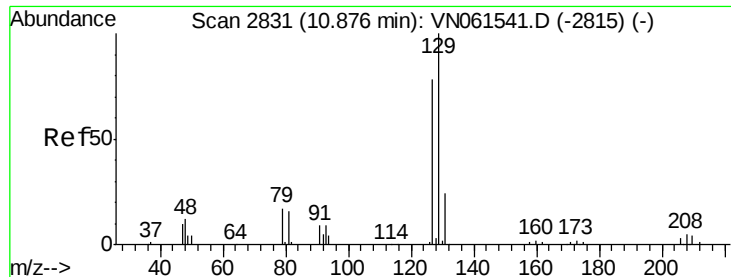
Tgt Ion: 43 Resp: 2475

Ion Ratio Lower Upper

43 100

58 51.7 30.7 92.1

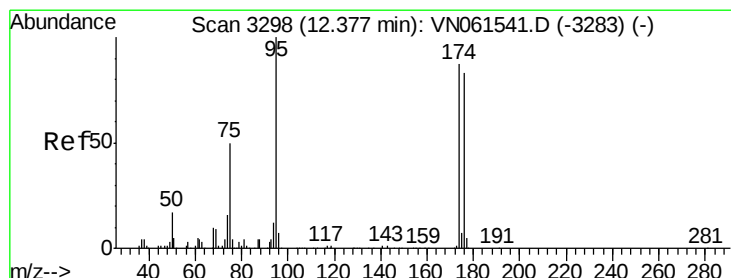
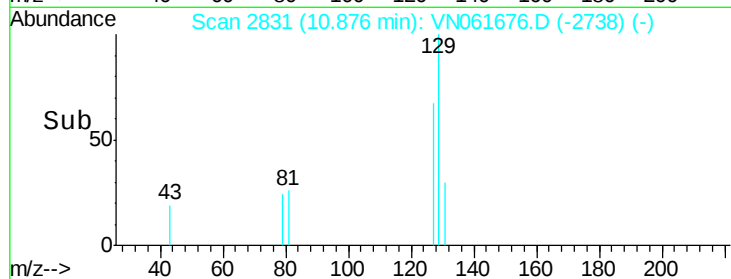
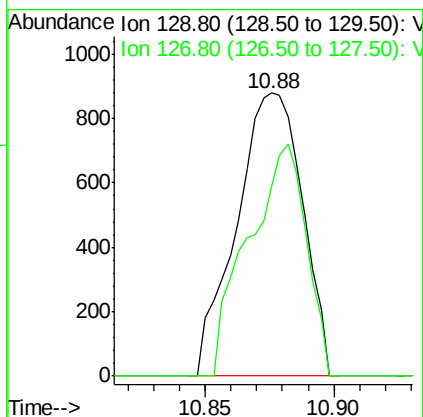
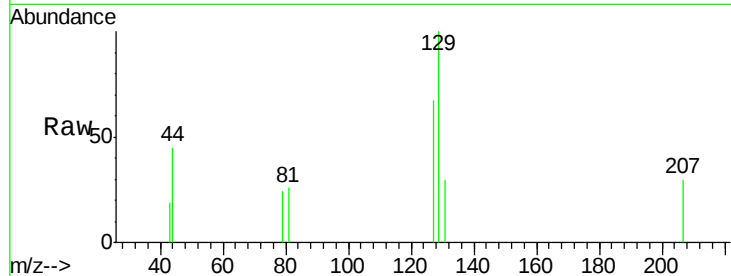




#60
 Dibromochloromethane
 Concen: 0.39 ug/l
 RT: 10.88 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

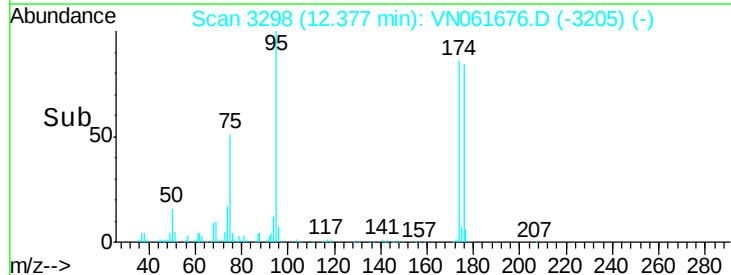
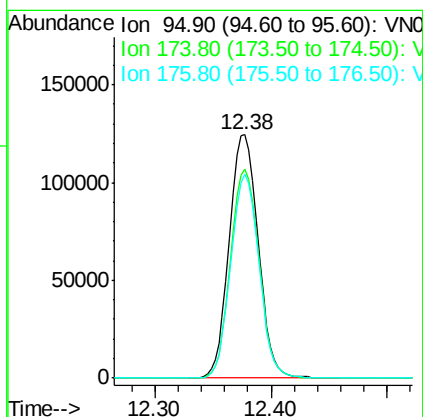
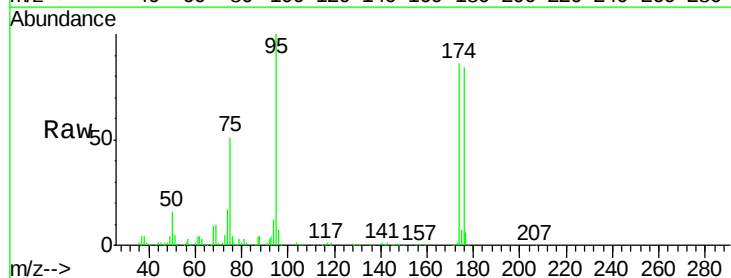
Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

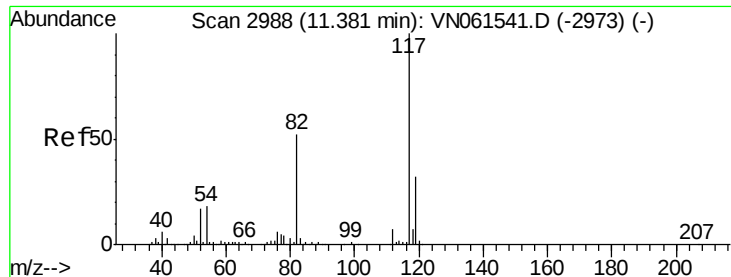
Tgt Ion:129 Resp: 1569
 Ion Ratio Lower Upper
 129 100
 127 71.9 38.8 116.3



#62
 4-Bromofluorobenzene
 Concen: 50.83 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion: 95 Resp: 214954
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 172.8
 176 81.7 0.0 164.8

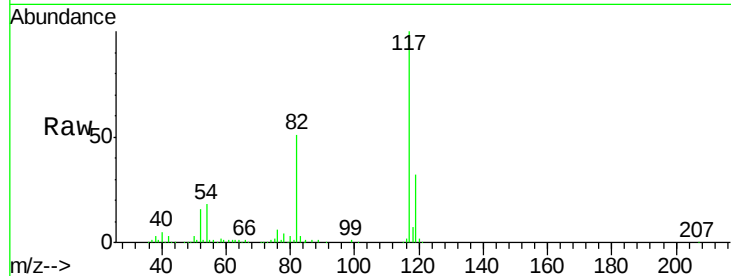




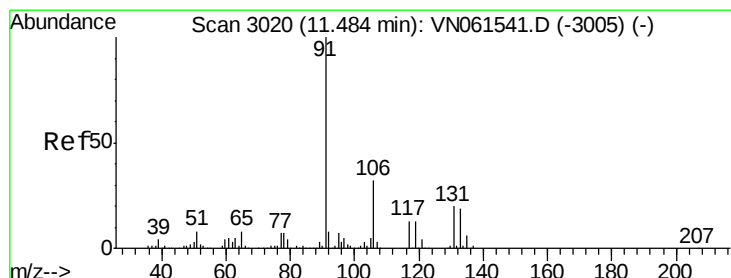
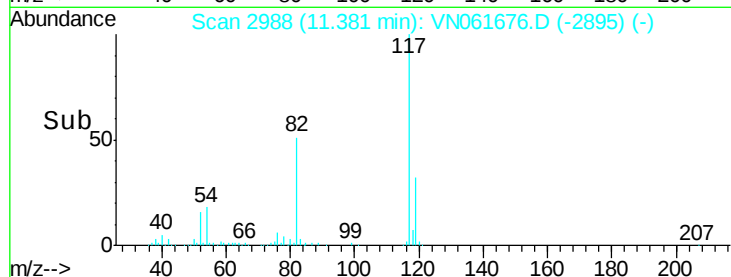
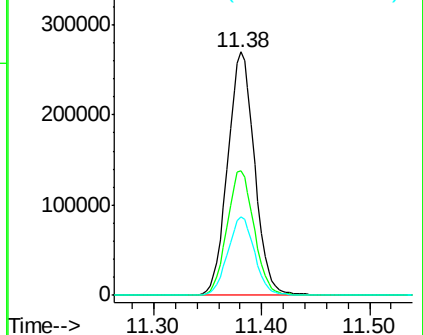
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Instrument :
MSVOA_N
ClientSampled :
FDW-115

Tgt Ion: 117 Resp: 469398
Ion Ratio Lower Upper
117 100
82 51.4 41.5 62.3
119 32.3 25.6 38.4

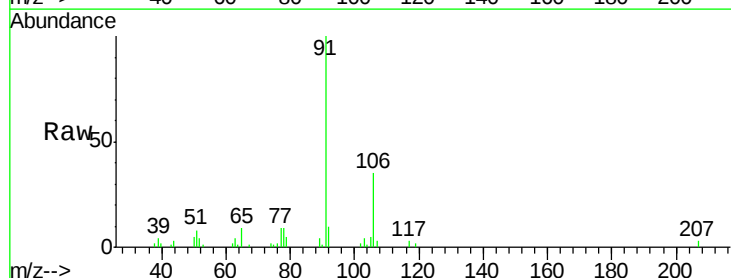


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

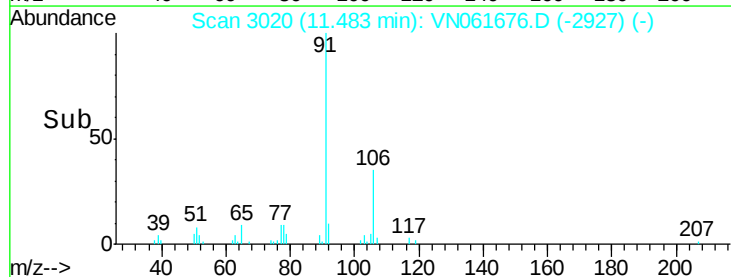
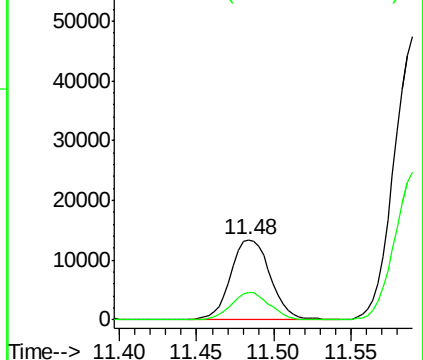


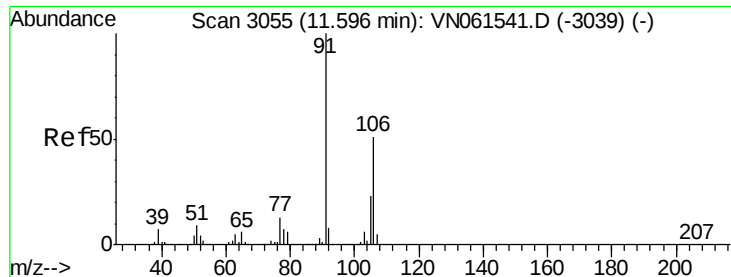
#67
Ethyl Benzene
Concen: 1.43 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 91 Resp: 24056
Ion Ratio Lower Upper
91 100
106 34.5 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

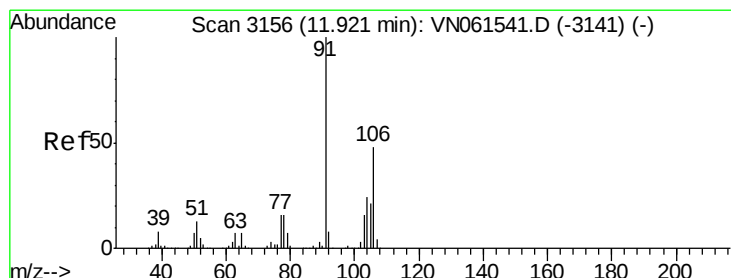
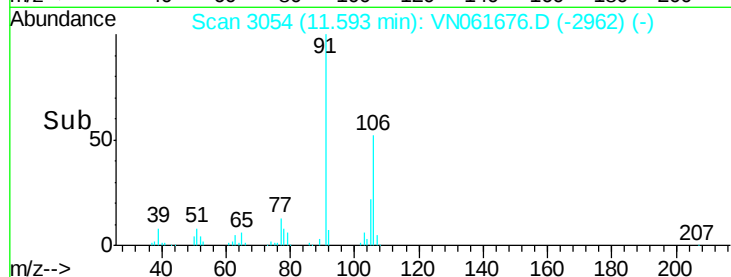
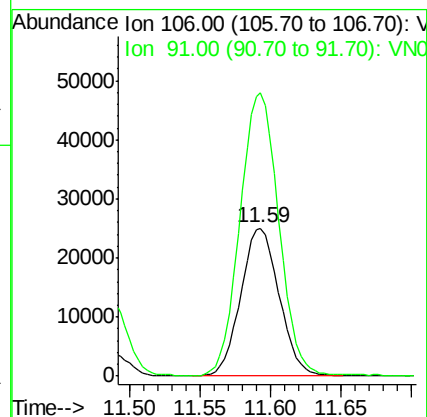
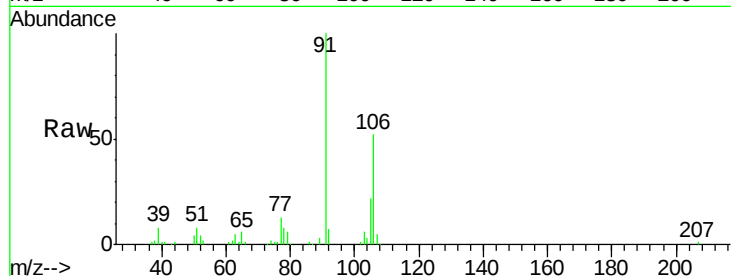




#68
m/p-Xylenes
Concen: 7.17 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

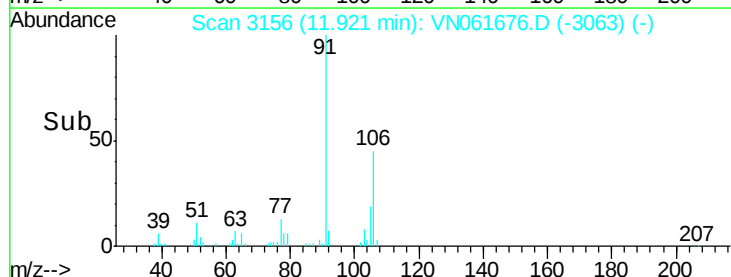
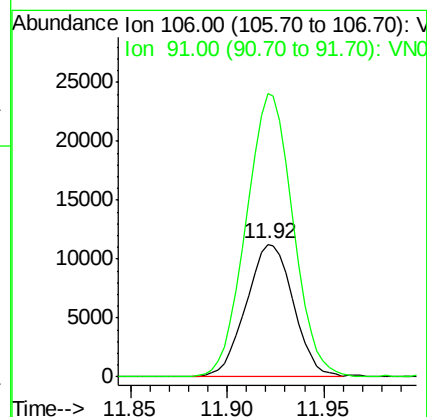
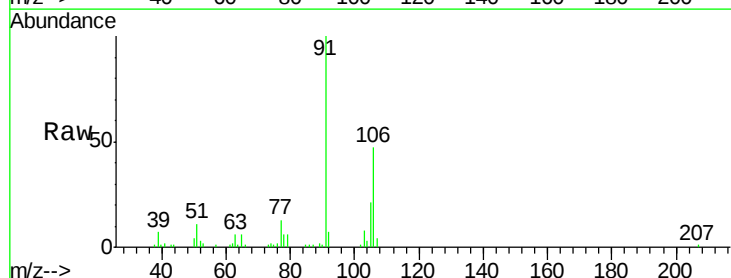
Instrument :
MSVOA_N
ClientSampled :
FDW-115

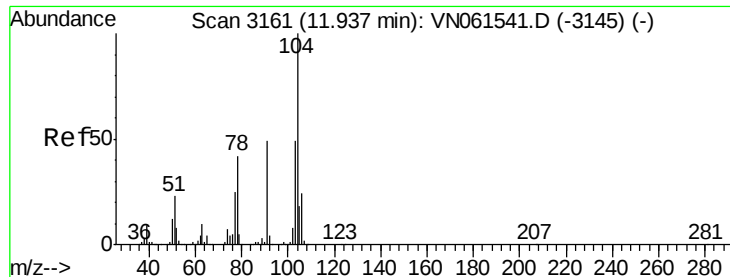
Tgt Ion:106 Resp: 47928
Ion Ratio Lower Upper
106 100
91 193.0 156.2 234.4



#69
o-Xylene
Concen: 3.00 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion:106 Resp: 19049
Ion Ratio Lower Upper
106 100
91 212.6 103.3 309.8





#70

Styrene

Concen: 0.25 ug/l

RT: 11.93 min Scan# 3160

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

FDW-115

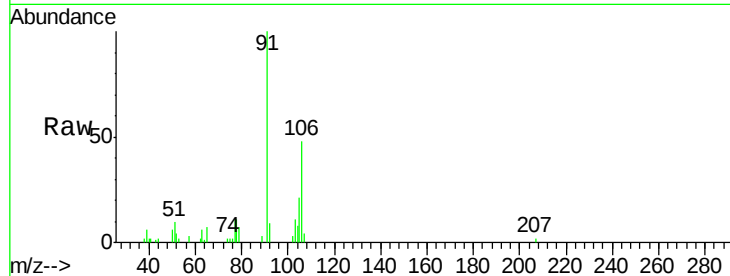
Tgt Ion:104 Resp: 2657

Ion Ratio Lower Upper

104 100

78 130.3 37.4 56.0#

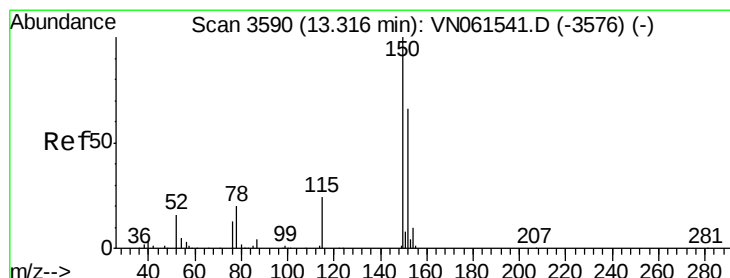
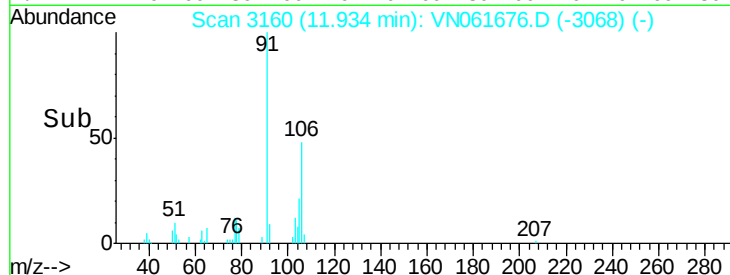
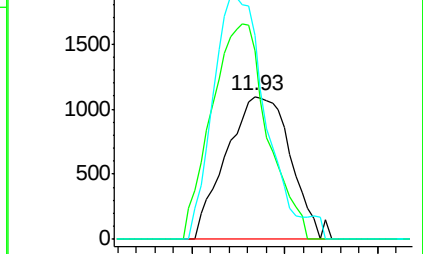
103 140.0 42.3 63.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

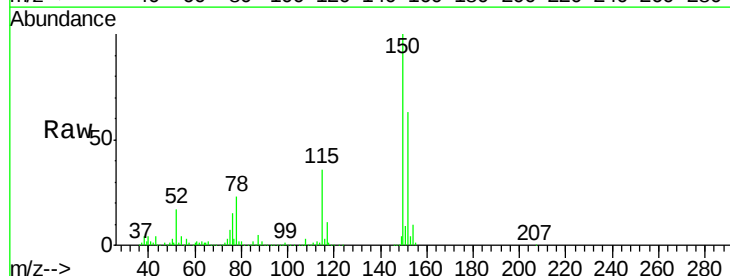
Tgt Ion:152 Resp: 226183

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

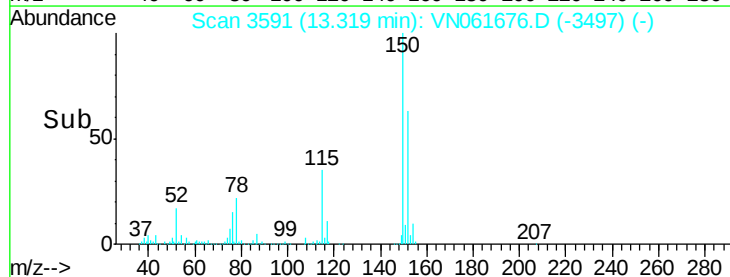
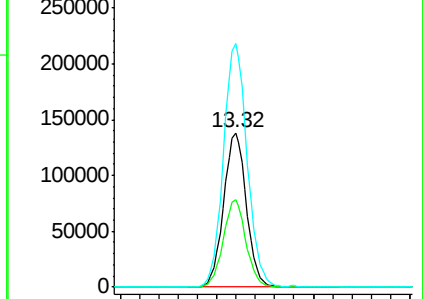
150 163.7 0.0 344.0

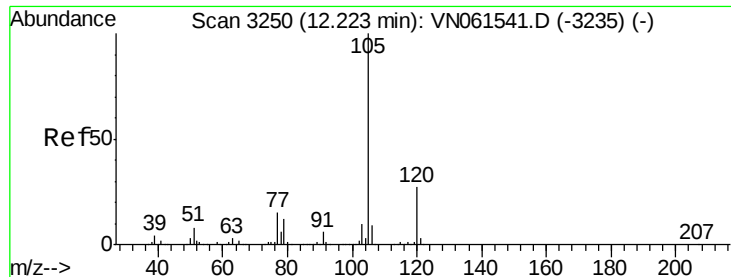


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.33 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

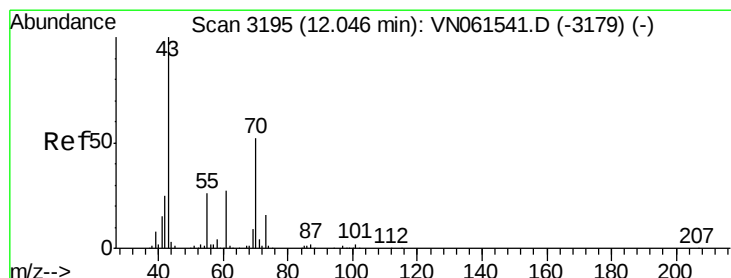
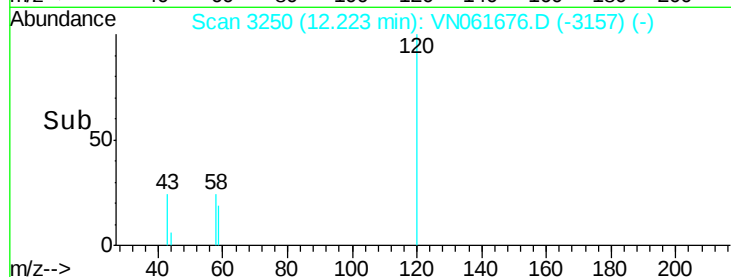
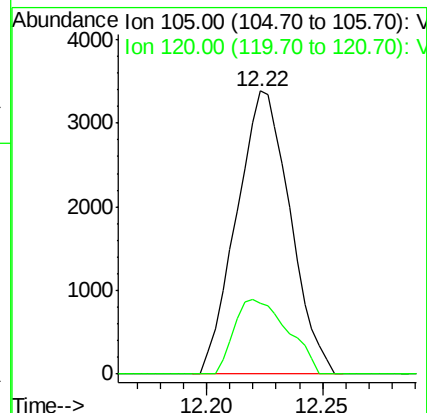
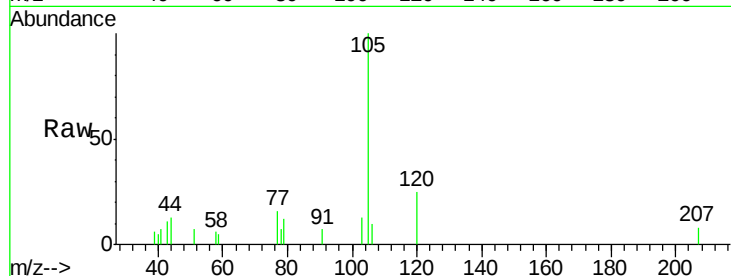
FDW-115

Tgt Ion: 105 Resp: 5426

Ion Ratio Lower Upper

105 100

120 26.4 13.8 41.3



#74

N-ethyl acetate

Concen: 23.13 ug/l

RT: 12.00 min Scan# 3181

Delta R.T. -0.05 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Tgt Ion: 43 Resp: 120243

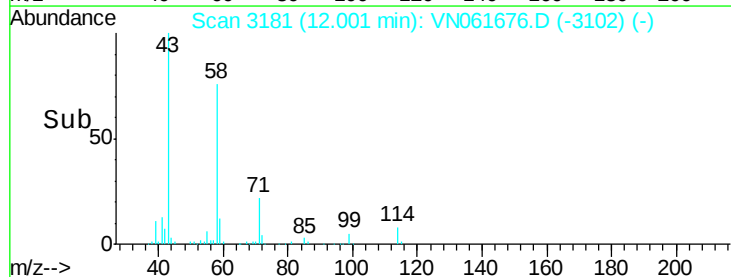
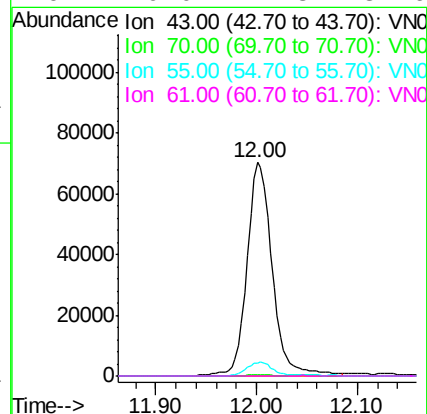
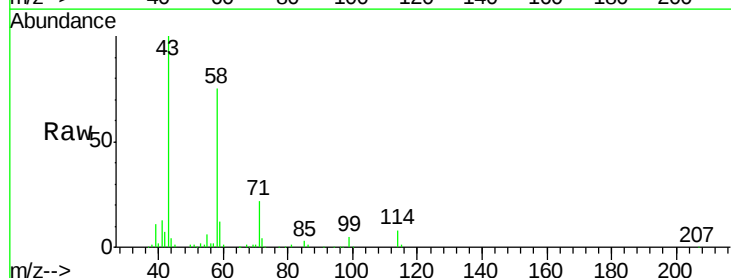
Ion Ratio Lower Upper

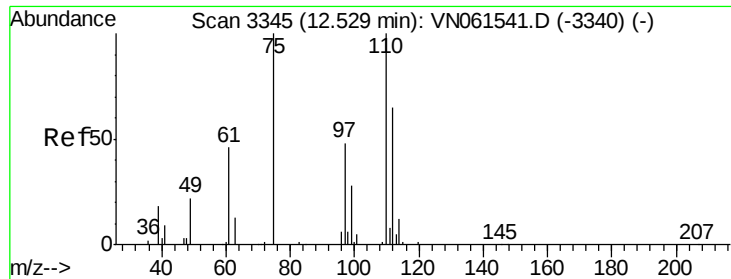
43 100

70 0.7 40.5 60.7#

55 7.2 20.6 31.0#

61 0.0 21.8 32.6#





#76

1,2,3-Trichloropropane

Concen: 25.59 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

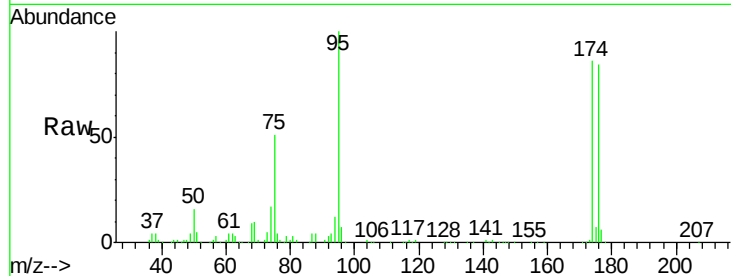
FDW-115

Tgt Ion: 75 Resp: 105249

Ion Ratio Lower Upper

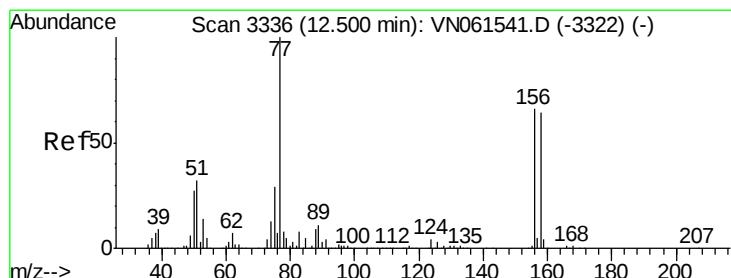
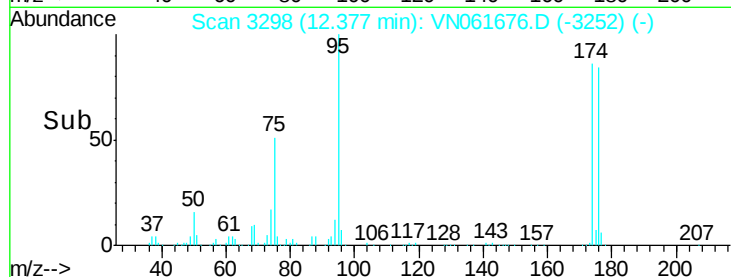
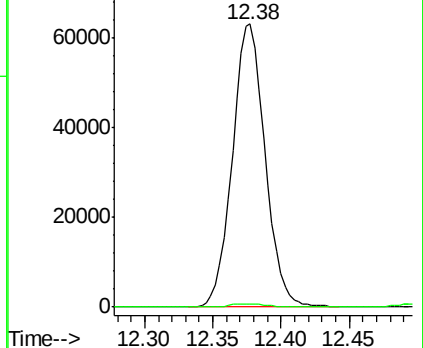
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)



#77

Bromobenzene

Concen: 0.23 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

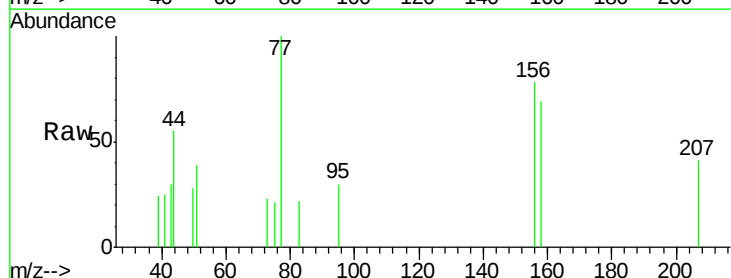
Tgt Ion: 156 Resp: 987

Ion Ratio Lower Upper

156 100

77 171.4 90.9 272.7

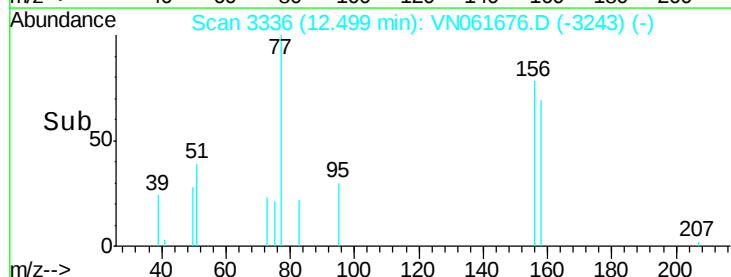
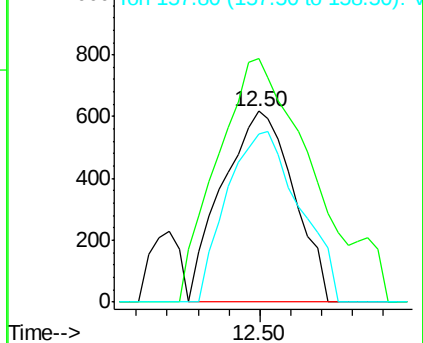
158 91.2 48.4 145.3

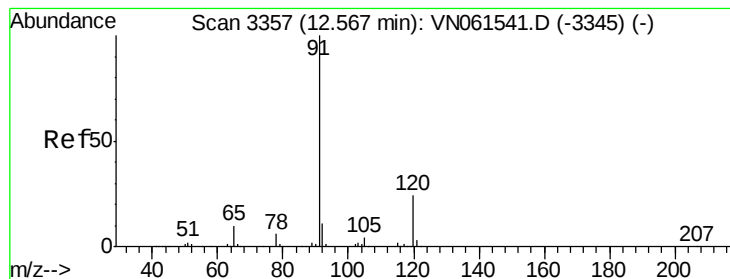


Abundance Ion 155.80 (155.50 to 156.50): VN061541.D (-3322) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3322) (-)

Ion 157.80 (157.50 to 158.50): VN061541.D (-3322) (-)





#78

n-propylbenzene

Concen: 0.52 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

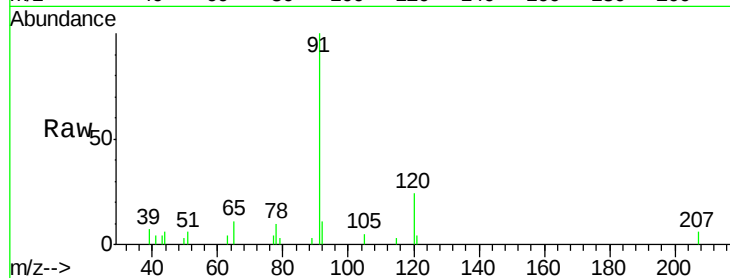
FDW-115

Tgt Ion: 91 Resp: 9531

Ion Ratio Lower Upper

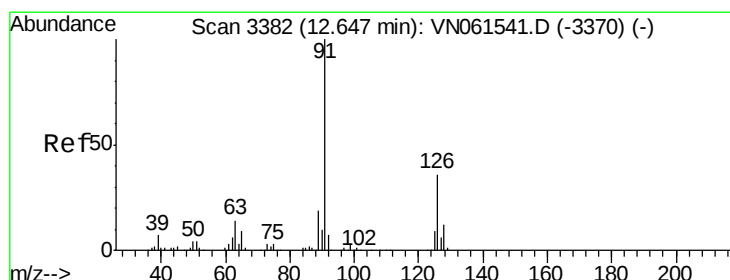
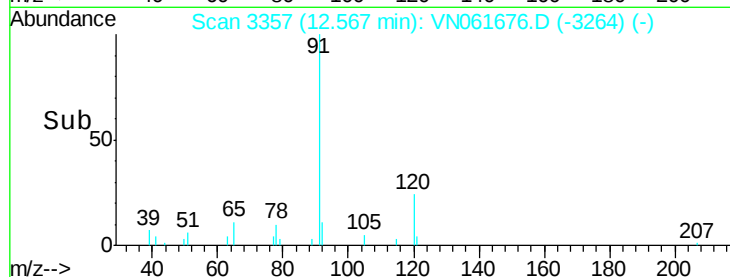
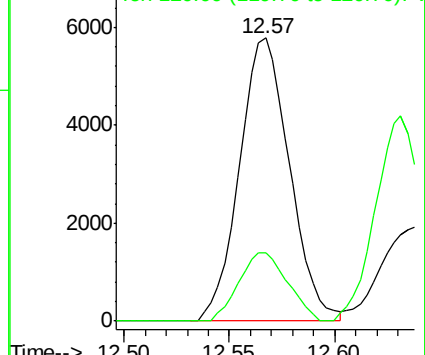
91 100

120 23.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.23 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.10 min

Lab File: VN061676.D

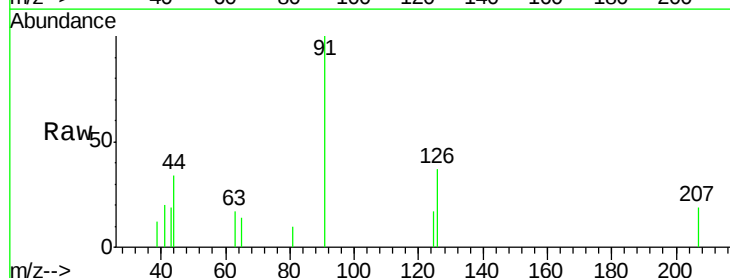
Acq: 5 Jun 2020 17:51

Tgt Ion: 91 Resp: 2554

Ion Ratio Lower Upper

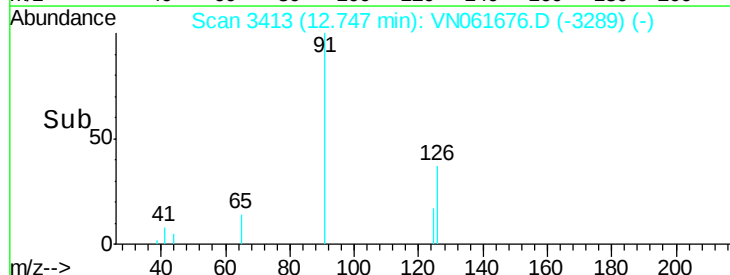
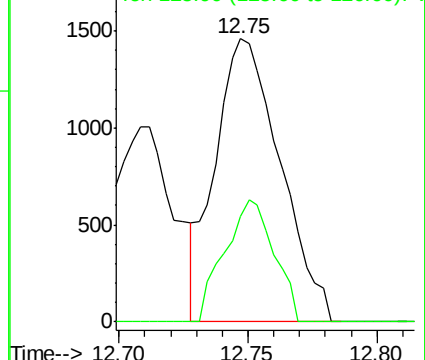
91 100

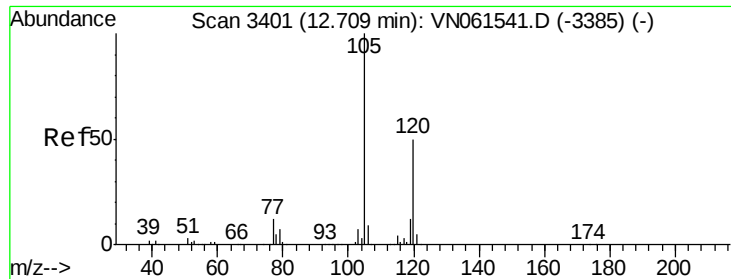
126 32.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

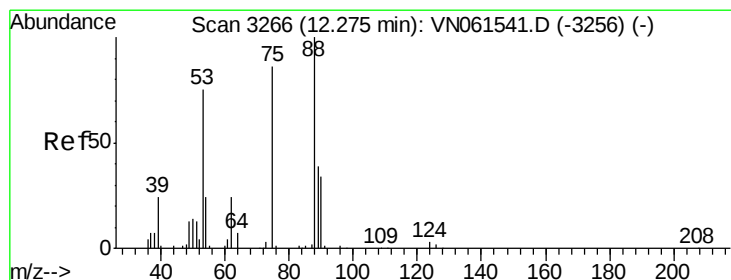
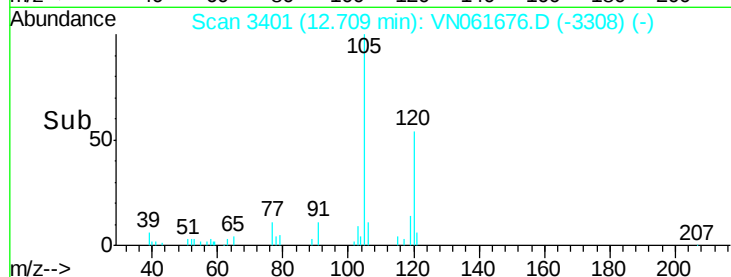
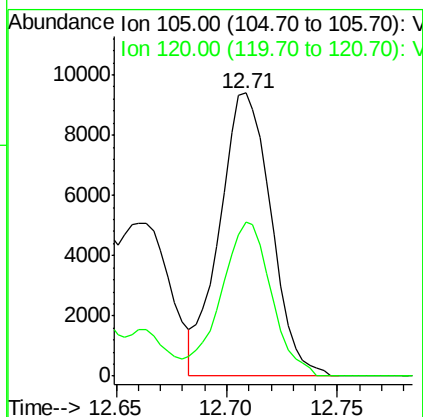
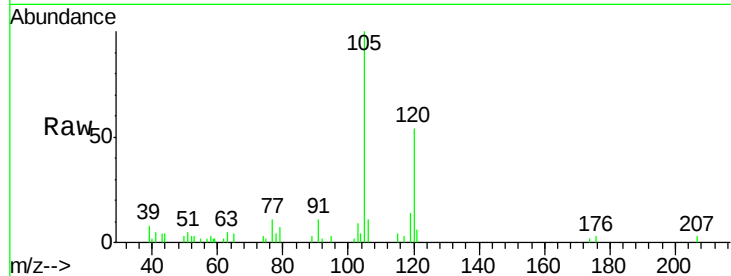




#80
 1,3,5-Trimethylbenzene
 Concen: 1.11 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

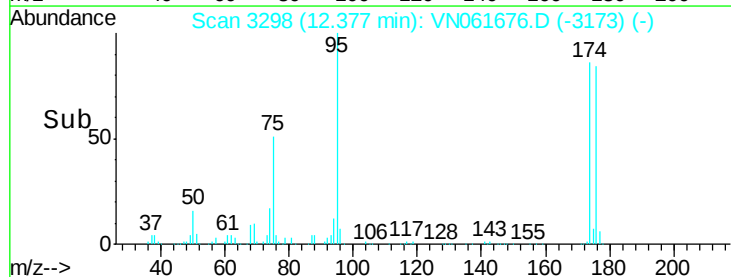
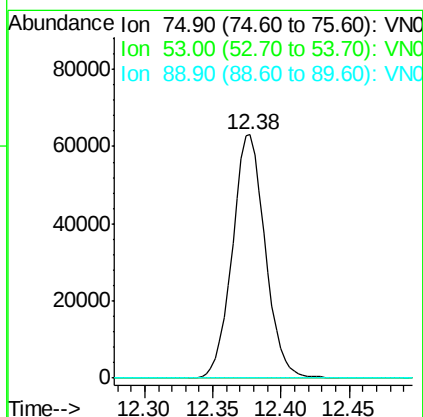
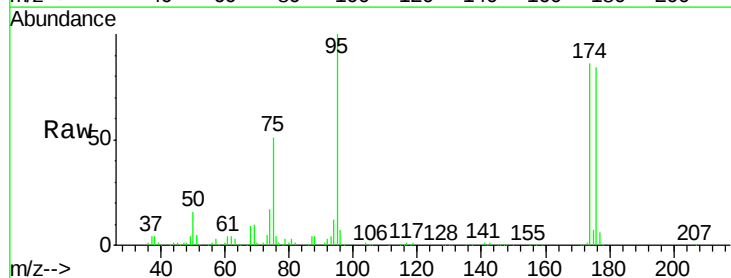
Instrument :
 MSVOA_N
 ClientSampled :
 FDW-115

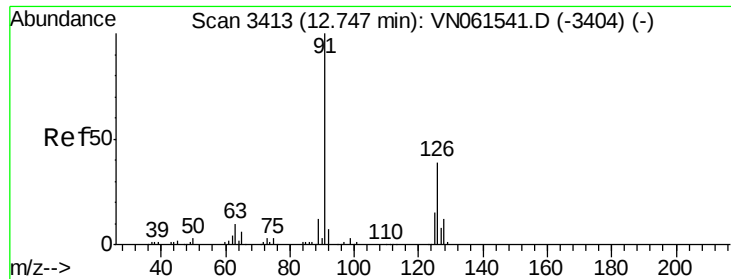
Tgt Ion:105 Resp: 15251
 Ion Ratio Lower Upper
 105 100
 120 53.3 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.44 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion: 75 Resp: 105249
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#





#82

4-Chlorotoluene

Concen: 0.22 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

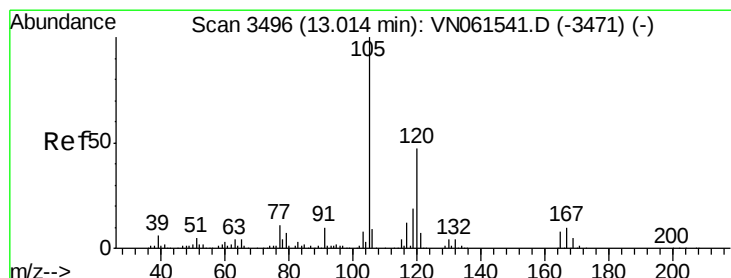
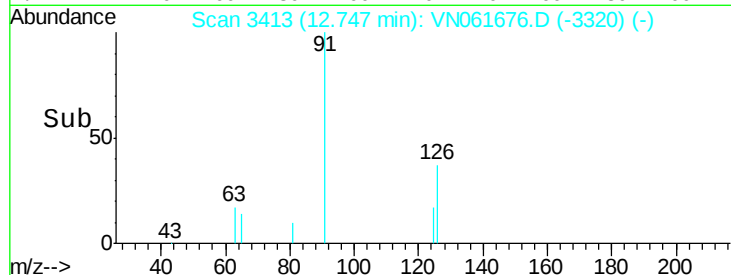
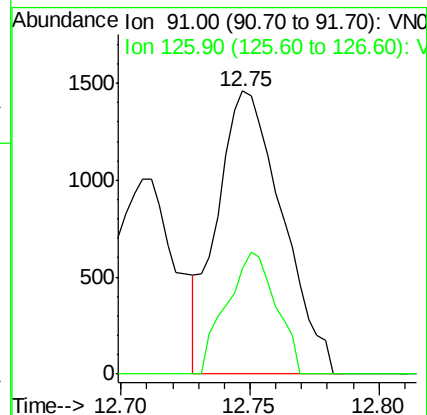
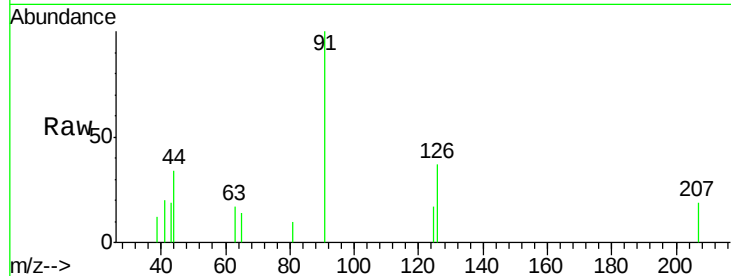
FDW-115

Tgt Ion: 91 Resp: 2554

Ion Ratio Lower Upper

91 100

126 32.8 17.5 52.6



#84

1,2,4-Trimethylbenzene

Concen: 2.62 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN061676.D

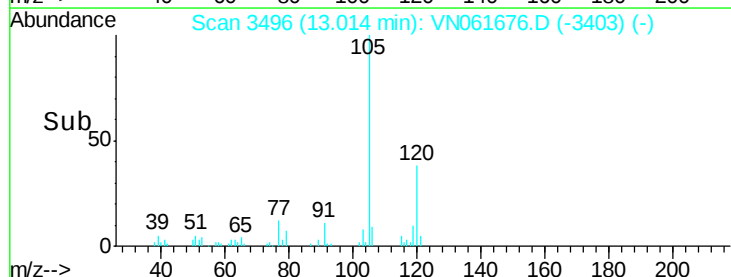
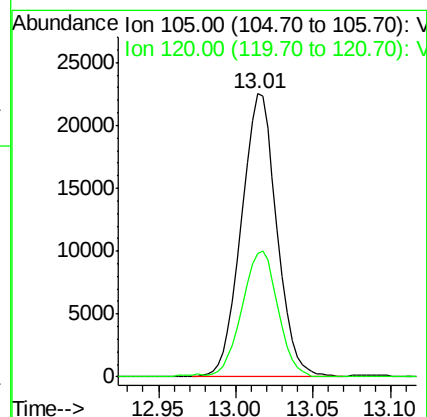
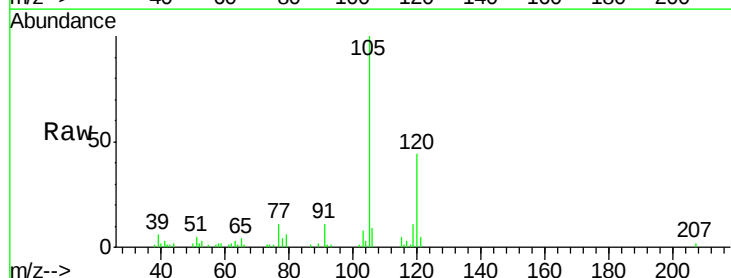
Acq: 5 Jun 2020 17:51

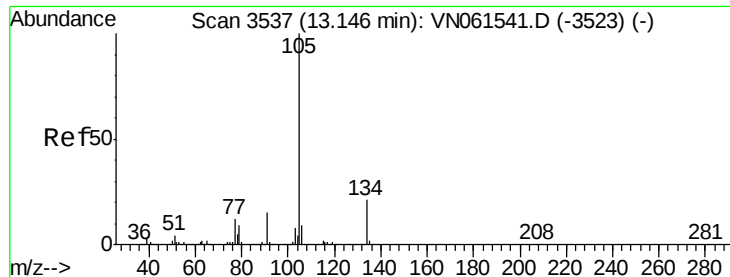
Tgt Ion: 105 Resp: 35874

Ion Ratio Lower Upper

105 100

120 45.0 23.2 69.5

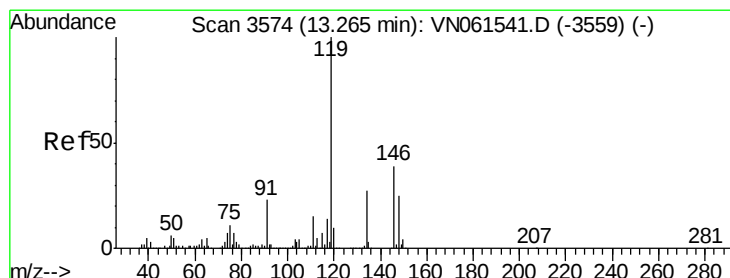
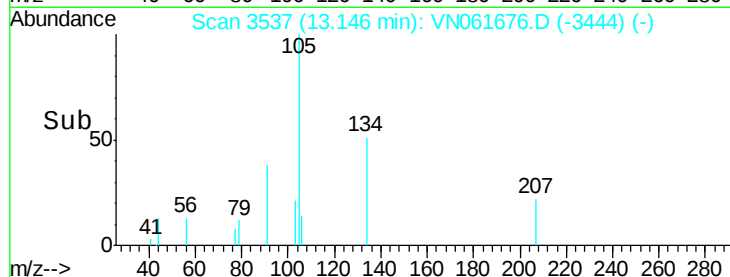
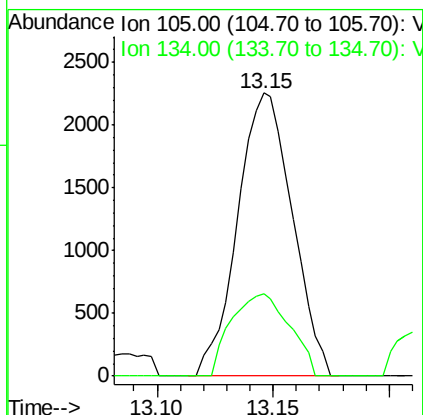
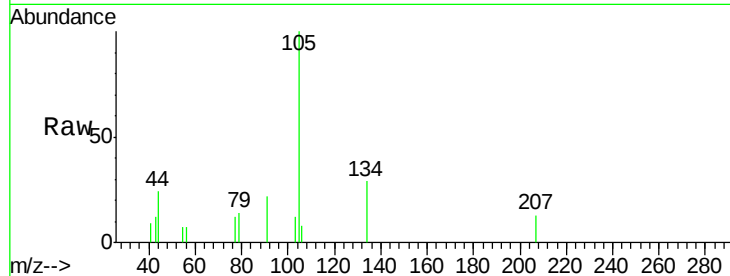




#85
 sec-Butylbenzene
 Concen: 0.23 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

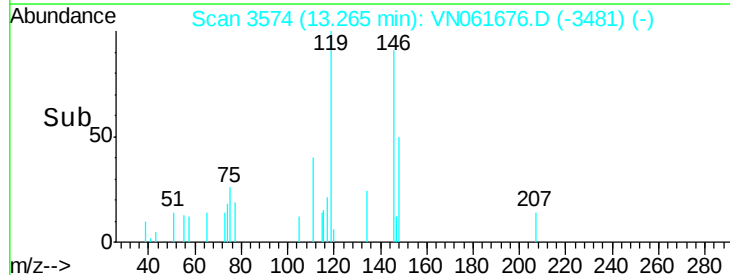
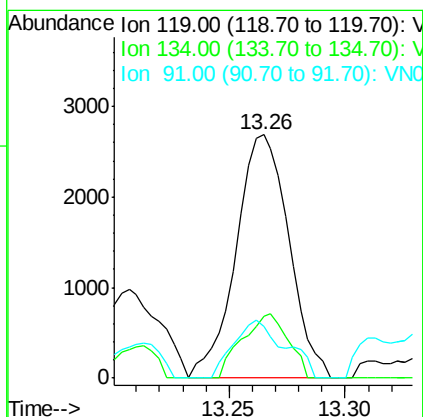
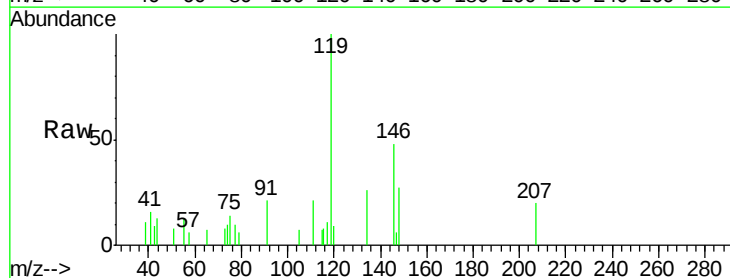
Instrument :
 MSVOA_N
 ClientSampled :
 FDW-115

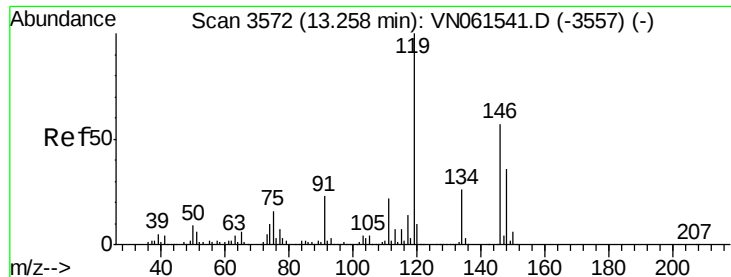
Tgt Ion:105 Resp: 3689
 Ion Ratio Lower Upper
 105 100
 134 30.9 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 0.29 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion:119 Resp: 4255
 Ion Ratio Lower Upper
 119 100
 134 23.0 13.5 40.5
 91 23.1 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 0.37 ug/l

RT: 13.26 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

FDW-115

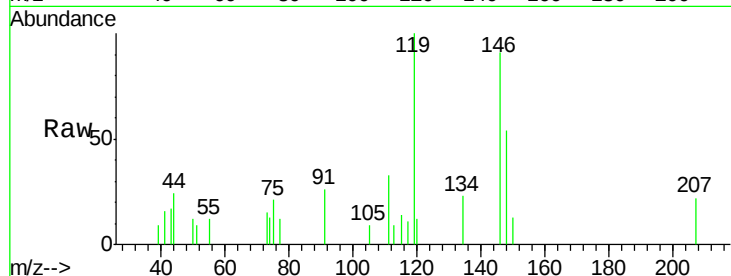
Tgt Ion:146 Resp: 2747

Ion Ratio Lower Upper

146 100

111 39.5 19.2 57.6

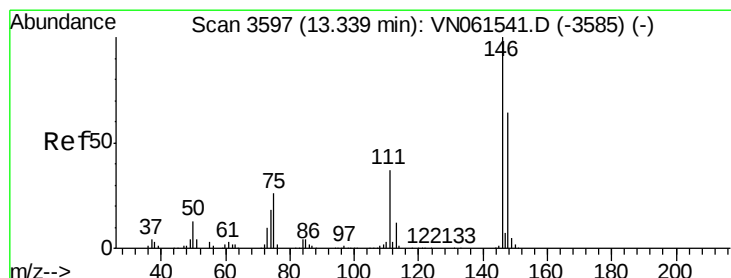
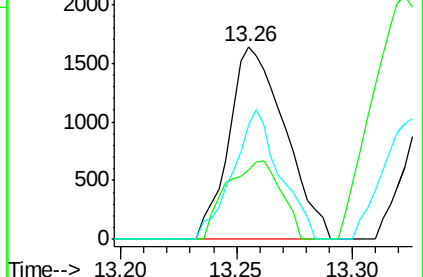
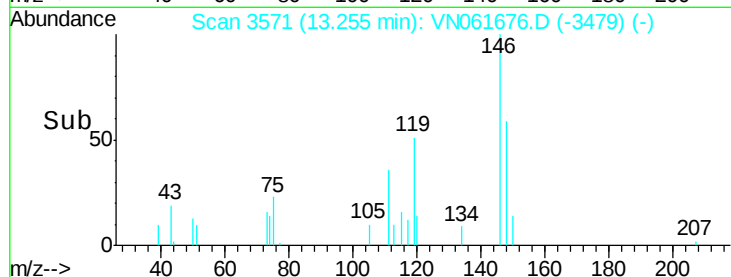
148 56.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.36 ug/l

RT: 13.26 min Scan# 3571

Delta R.T. -0.08 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

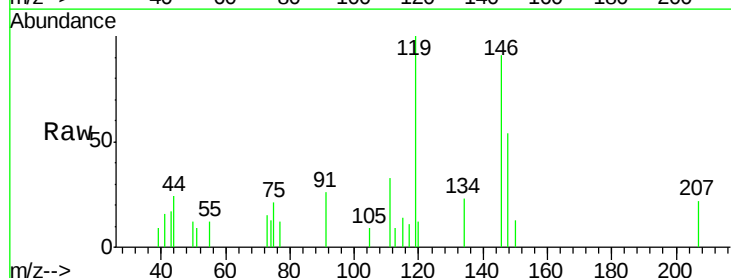
Tgt Ion:146 Resp: 2747

Ion Ratio Lower Upper

146 100

111 39.5 18.9 56.9

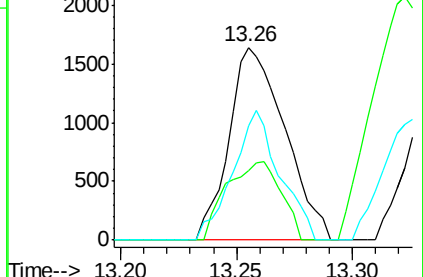
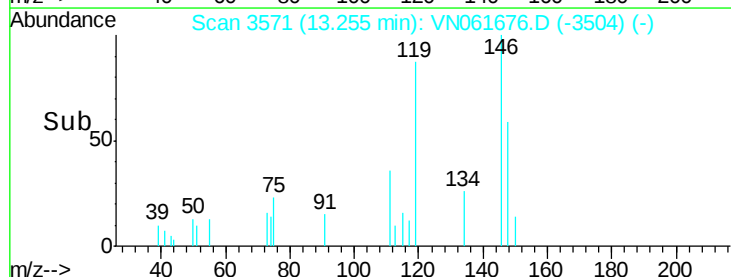
148 56.5 31.8 95.3

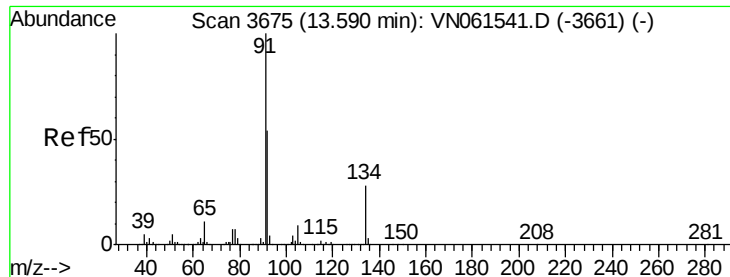


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.42 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

FDW-115

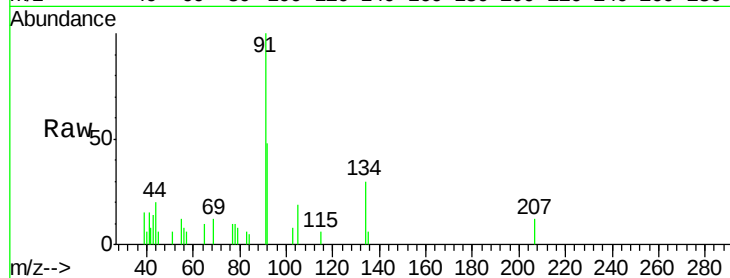
Tgt Ion: 91 Resp: 5143

Ion Ratio Lower Upper

91 100

92 46.5 27.2 81.6

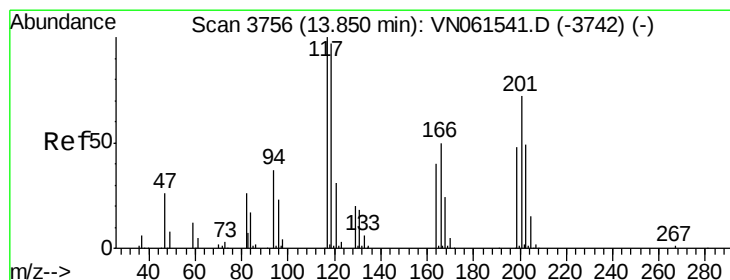
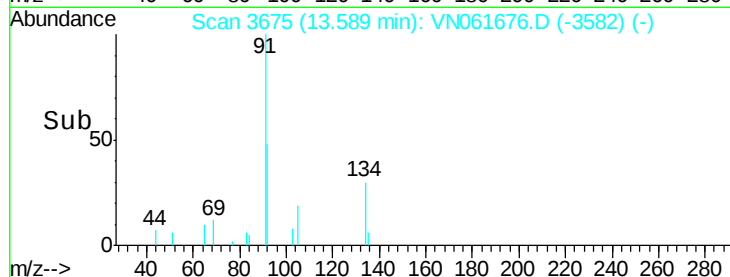
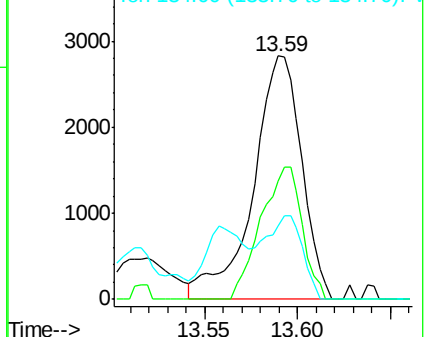
134 26.1 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)



#90

Hexachloroethane

Concen: 0.21 ug/l

RT: 13.85 min Scan# 3757

Delta R.T. 0.00 min

Lab File: VN061676.D

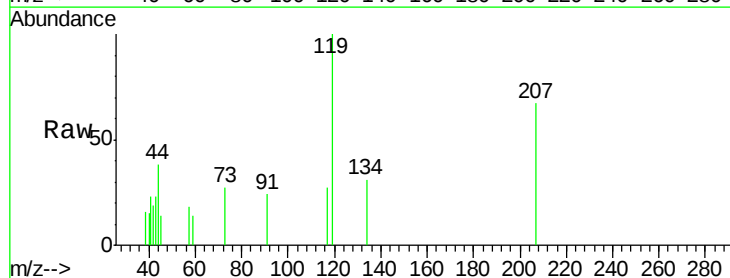
Acq: 5 Jun 2020 17:51

Tgt Ion: 117 Resp: 330

Ion Ratio Lower Upper

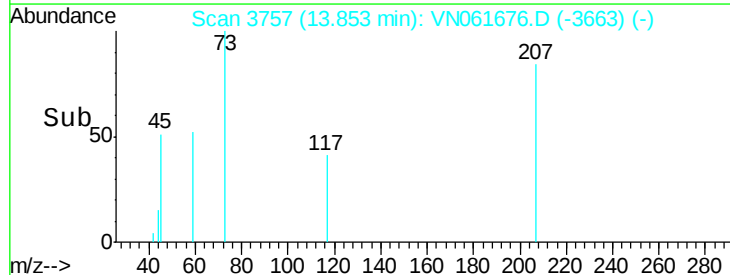
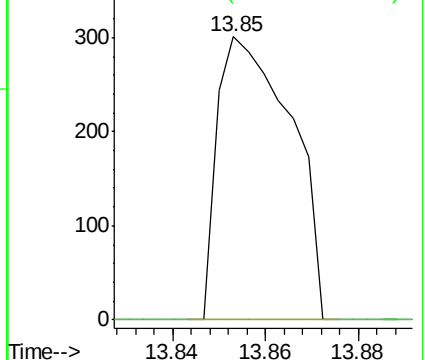
117 100

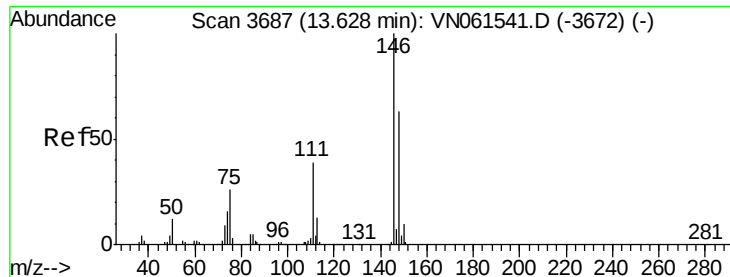
201 0.0 36.7 110.1#



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

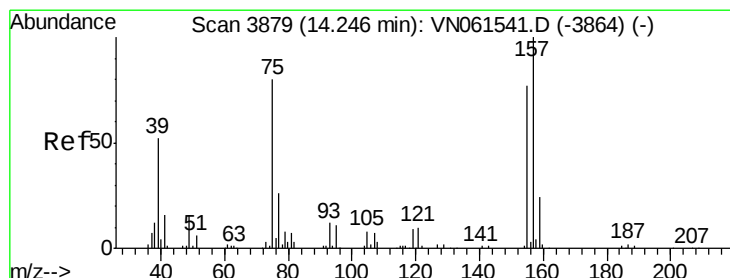
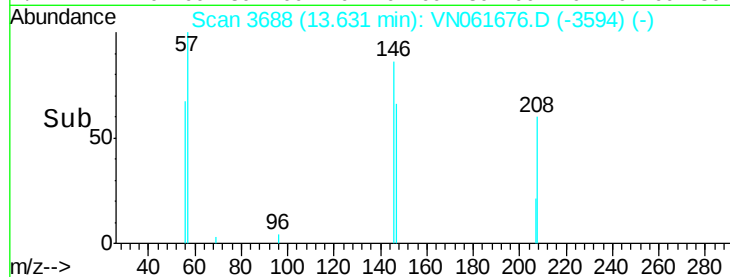
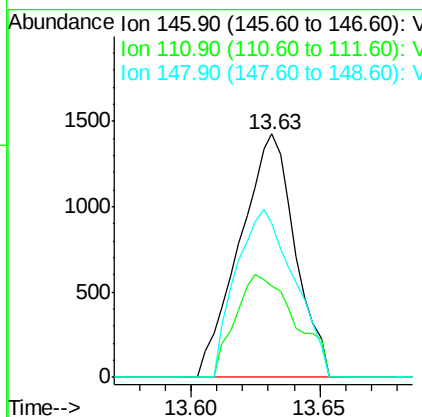
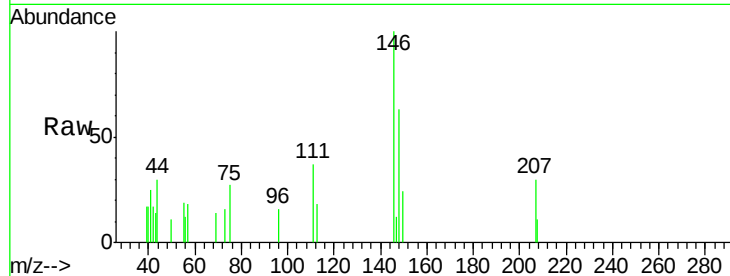




#91
 1,2-Dichlorobenzene
 Concen: 0.30 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

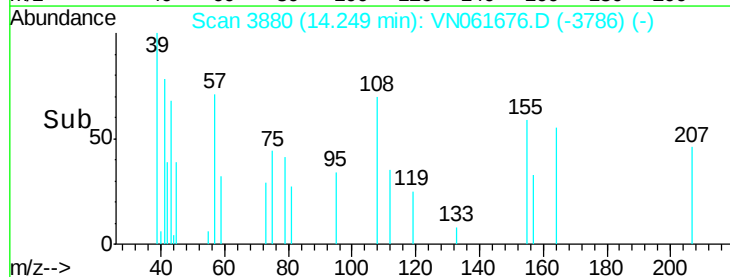
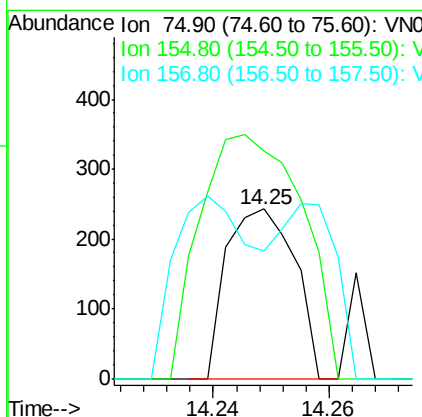
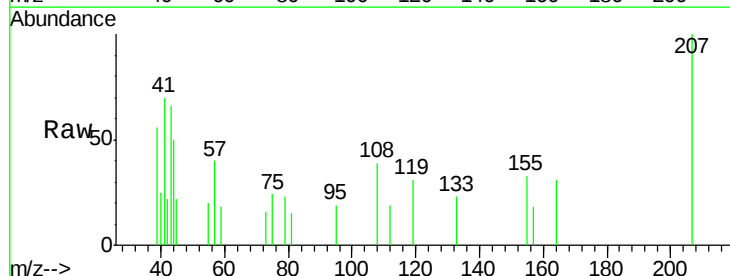
Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

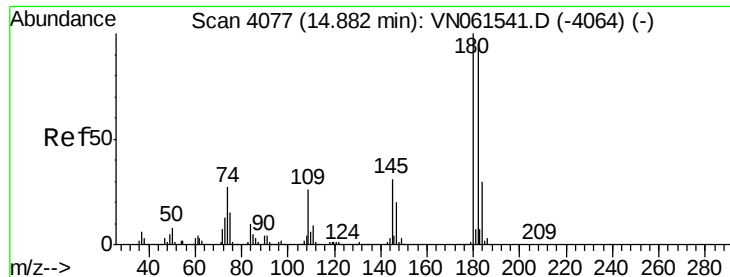
Tgt Ion: 146 Resp: 2132
 Ion Ratio Lower Upper
 146 100
 111 45.6 20.1 60.2
 148 72.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.21 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion: 75 Resp: 198
 Ion Ratio Lower Upper
 75 100
 155 215.2 47.1 141.4#
 157 124.7 60.3 180.8

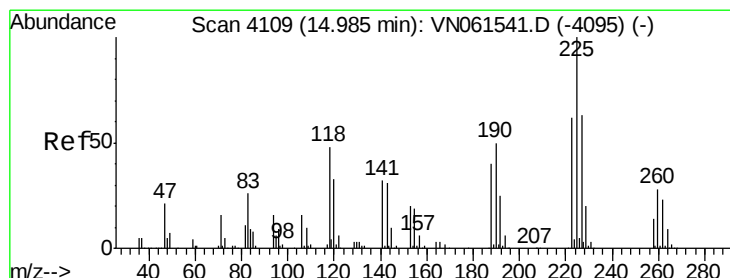
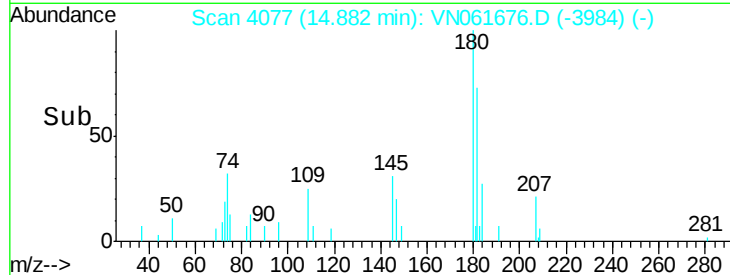
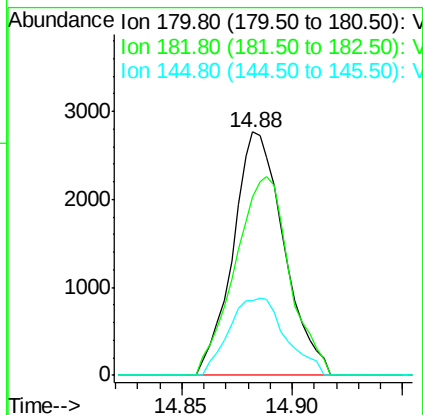
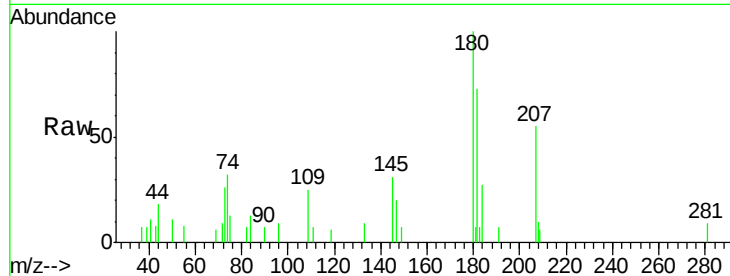




#93
 1,2,4-Trichlorobenzene
 Concen: 1.07 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

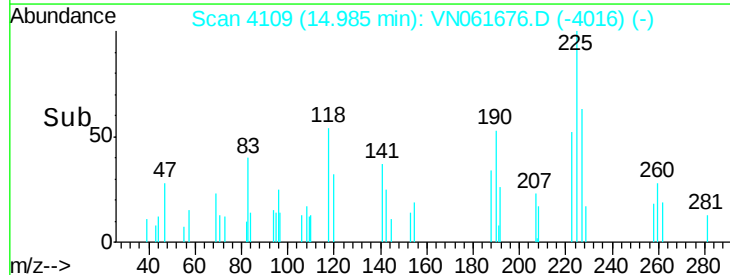
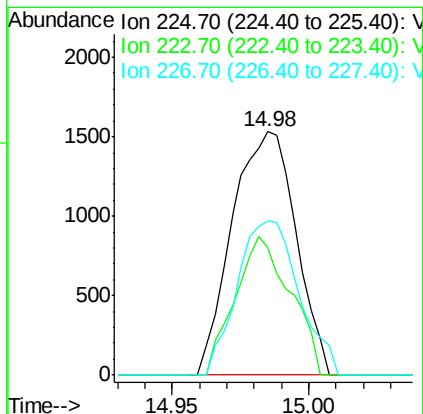
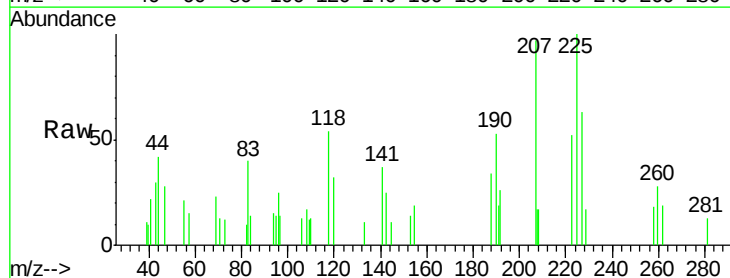
Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

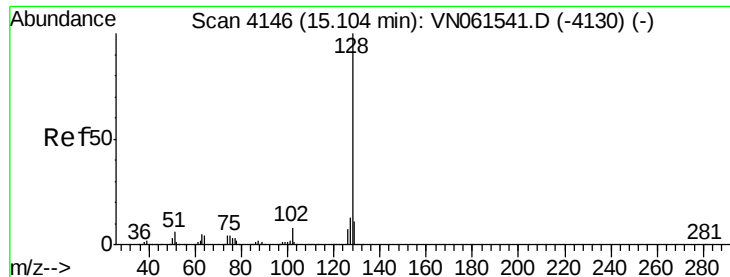
Tgt Ion:180 Resp: 4442
 Ion Ratio Lower Upper
 180 100
 182 87.4 47.8 143.3
 145 35.1 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 1.40 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion:225 Resp: 2485
 Ion Ratio Lower Upper
 225 100
 223 49.3 31.9 95.5
 227 61.4 31.9 95.9

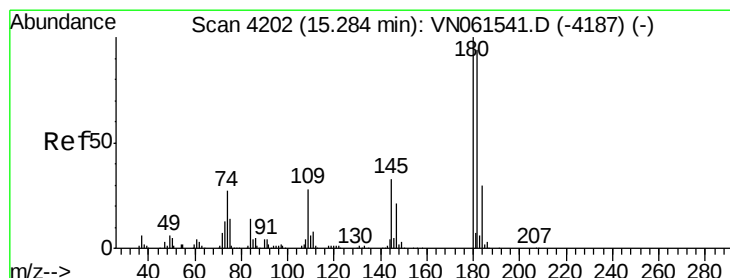
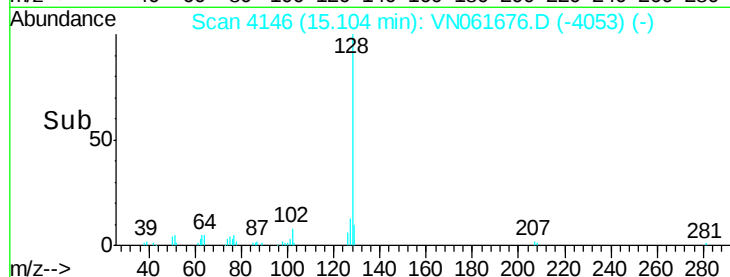
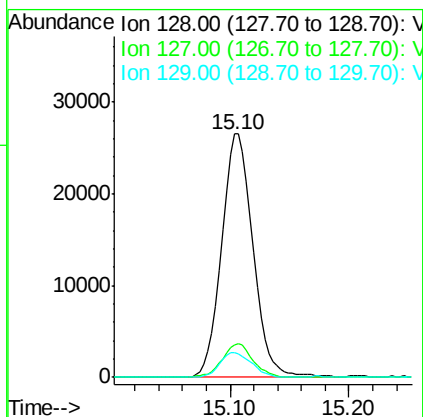
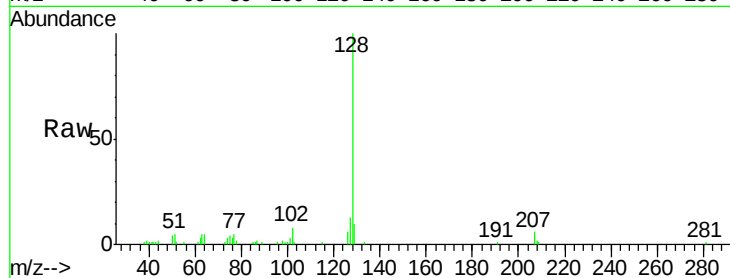




#95
Naphthalene
Concen: 3.82 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
FDW-115

Tgt Ion:128 Resp: 48495
Ion Ratio Lower Upper
128 100
127 13.4 10.0 15.0
129 10.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 1.27 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion:180 Resp: 5200
Ion Ratio Lower Upper
180 100
182 146.9 47.1 141.3#
145 40.3 16.3 48.9

